# AUDIO DVD-AVX T-LINK

## OWNERS MANUAL

Please read this manual for proper operation and keep it for future reference.

# Important Notice on Software

## Software License on This Product

The software embedded in this product comprises a number of independent software components, each of which is copyrighted by JVCKENWOOD Corporation or by a third party.

This product uses software components that are based on an End-User License Agreement (hereinafter called "EULA") stipulated by JVCKENWOOD Corporation and by third parties.

The EULA dictates the availability of the source codes of free-software components as a prerequisite to distributing them in executable form under the terms of the GNU General Public License or the Lesser General Public License (hereinafter called "GPL/LGPL"). To get information about the software components that are subject to the terms of the GPL/LGPL, please visit the following Website:

Website URL https://www2.jvckenwood.com/gpl/

Queries concerning the contents of the source code or the like will not be accepted.

Please note that software components based on a EULA that is not subject to the terms of the GPL/LGPL or those that have been developed or created by JVCKENWOOD Corporation will be excluded from the scope of source code disclosure.

Because licenses to use software components distributed under the GPL/LGPL are offered to the customers for free of charge, no warranty is granted to the customers, whether explicitly or implicitly, to the extent of the applicable laws.

Unless otherwise stipulated by the applicable laws or agreed upon in writing, the copyright holders or those who are entitled to modify and redistribute the software components are not held responsible for any and all damages resulting from their use or from inability to use them. For more information about the terms of use of the software components, required items of compliance and so on, please refer to the GPL/LGPL.

Customers wishing themselves to use a software component that is subject to the GPL/LGPL embedded in this product are encouraged to read the terms of the corresponding license before use. Because each individual license is prescribed by a third party other than JVCKENWOOD Corporation, the original (English) of the license is presented.

# EULA

## Software License Agreement

JVCKENWOOD Corporation (hereinafter called "Licensor") holds either the copyright to the embedded software or the right to sublicense it. This agreement establishes the conditions under which the customer uses this "Licensed Software."

The customer shall agree to the terms of this license agreement before proceeding to use Licensed Software.

This agreement is deemed to have taken effect when the customer (hereinafter called "User") has used a product implementation of Licensed Software.

The Licensed Software may contain software Licensor has been licensed to use by third parties directly or indirectly. Some third parties may have terms of use prescribed for their customers, apart from this Software License Agreement. This agreement does not apply to such software. Be sure to consult "Important Notice on Software" as presented separately.

### Article 1 (General)

Licensor grants to User a non-exclusive, non-assignable right of use Licensed Software within the country where the User purchases the Product (hereinafter the "Country") (except for the exception provided for in Paragraph 1, Article 3).

### Article 2 (Right of Use)

1. The rise of use granted under this agreement is the right to use Licensed Software in this product.
2. User may not duplicate, copy, modify, add to, translate or otherwise alter, or loan licensed Software and the associated literature in whole or in part.
3. Use of Licensed Software is limited to a private extent , and Licensed Software may not be distributed, licensed or sublicensed for any purposes whatsoever, including commercial use.
4. User shall use Licensed Software as per the instruction manual or instructions given in the help file and may not use or duplicate data in violations of the regulations of the Copyright Law or other governing laws by using Licensed Software in whole or in part.

### Article 3 (Terms of License)

1. In assigning this product, User may not retain the original copy of the embedded Licensed Software (including associated literature, updates and upgrades) and any duplicates and associated literature with regard to the license to use Licensed Software. User may transfer Licensed Software only to the condition of binding the assignee to abide by the terms of this Software License Agreement.
2. User may not reverse-engineer, disassemble, decompile or otherwise analyze the source code of Licensed Software.

### Article 4 (Rights to Licensed Software)

All rights to Licensed Software and the associated literature, including copyrights, shall reside with Licensor or the original right holder who has granted the Right of Use and right to sublicense to Licensor (hereinafter referred to as "Original Right Holder"), and User does not have any rights other than Right of Use granted hereunder with regard to Licensed Software and the associated literature.

### Article 5 (Exemption Granted to Licensor)

1. Licensor and Original Right Holder do not assume any responsibility for damages caused to User or third parties resulting from the exercise by User of the license granted hereunder, unless otherwise provided by any law to the contrary.
2. Licensor does not warrant Licensed Software to be merchantable, compatible and fit for specific purposes.

### Article 6 (Responsibility for Third Parties)

If disputes over the infringement of third parties' intellectual property rights, such as copyrights and patent rights, arise out of the use of Licensed Software by User, User shall resolve these disputes at User's own expenses while keep Licensor and Original Right Holder harmless.

### Article 7 (Secrecy Obligation)

User shall keep confidential Licensed Software provided hereunder, information contained in the associated literature or the like and those provisions of this agreement not yet in public knowledge and may not disclose or leak these to third parties without prior written consent from Licensor.

### Article 8 (Cancellation of the Agreement)

Licensor reserves the right to cancel this agreement forthwith and claim compensation from User for the damages caused by such cancellation when User:

(1) Breaches any of the provisions of this agreement, or

(2) Has received a petition for seizure, provisional seizure, provisional disposition or any other kind of compulsory execution.

### Article 9 (Destruction of Licensed Software)

If this agreement is terminated under the provision of the foregoing paragraph, User shall destroy Licensed Software, along with all associated literature and its duplicates, within two (2) weeks from the date of termination.

### Article 10 (Copyright Protection)

1. Copyrights and all other intellectual property rights relating to Licensed Software shall reside with Licensor and Original Right Holder and in no circumstances with User.
2. User shall abide by the laws relating to copyrights and intellectual property rights in using Licensed Software.

### Article 11 (Export Control)

1. Licensed Software and the associated literature or the like may not be exported to places outside the Country (including transmission outside the Country over the Internet or the like).
2. User agrees that Licensed Software is subject to export controls imposed by the Country and the United States of America.
3. User agrees to comply with all the international and domestic laws that apply to this software (U.S. Export Administration Regulations and regulations established by the U.S., the Country and their governmental agencies regarding usage by end users and export destinations).

### Article 12 (Miscellaneous)

1. Even if this agreement is invalidated in part by law, all other provisions shall remain in effect.
2. Licensor and User shall consult each other in good faith to resolve any matters not provided for in this agreement or questions arising from the interpretation of this agreement.
3. Licensor and User agree that this agreement is governed by the law of Japan and that all disputes involving claims and obligations that may arise out of this agreement will be settled by arbitration at the Tokyo District Court as the court of first instance.

# Contents


**Important Safety Information 4**

Precautions ..... 4

**Before Use 5**

How to read this manual ..... 6

**Basic Operations 7**

Front Panel Button Functions ..... 7
Turning on the Unit ..... 8
Regional Setup ..... 8
Adjusting the volume ..... 9
Touch screen operations ..... 10
Popup menu ..... 10
Simple Display Mode ..... 10
HOME screen descriptions ..... 11
Source selection screen description ..... 12
Source control screen descriptions ..... 14
List screen ..... 14

**Connection 15**

Wired Connection ..... 15

**Bluetooth Control 16**

Information for using Bluetooth® devices ..... 16
Register the Bluetooth device ..... 17
Bluetooth Setup ..... 18
Playing the Bluetooth Audio Device ..... 20
Using the Hands-Free Unit ..... 22
Phone Setup ..... 26

**T-Link 27**

Preparation ..... 27
Connecting a smartphone ..... 27
T-Link Operation ..... 27

**Disc 29**

Playing a disc ..... 29
DVD/ Video-CD Basic Operation ..... 29
Music CD/ Disc media Basic Operation ..... 31
Search Operation ..... 32
Direct Scene search ..... 32
DVD Disc Menu Operation ..... 33
DVD Setup ..... 34

**USB 35**

Connecting a USB device ..... 35
USB Basic Operation ..... 35
Search Operation ..... 36

**iPod/iPhone 38**

Preparation ..... 38
iPod/iPhone Basic Operation ..... 39
Search Operation ..... 39

**Radio 40**

Radio Basic Operation ..... 40
Memory Operation ..... 41
Selecting Operation ..... 41
Breaking News and Traffic Information ..... 42
Radio Setup ..... 43

**Other External Components 44**

Using PVM /back camera ..... 44
Using the back camera ..... 44
External audio players (AUX) ..... 44

**Setup** 45
Display Adjust....45
Picture Adjust....45
System Setup....46
General Systems....46
User Interface Systems....47
Dual Zone Systems....49

**Controlling Audio** 50
Controlling General Audio....50
Equalizer Control....51
Volume Offset....52
Sound Effect....52
Listening Position/ DTA....53

**Steering Wheel Control** 55
Operations using the steering switch....55

**Remote control** 56
Using the Remote control....56
Functions of the Remote control Buttons....57

**Troubleshooting** 59
Problems and Solutions....59
Error Messages....59

**Appendix** 61
Playable Media and Files....61
Region Codes in the World....63
DVD Language Codes....64
Specifications....65
About this Unit....67
For further information....71

For safety reasons, this owner's manual indicates items requiring particular attention with the following marks.

## ⚠ WARNING

- This is a warning against anything which may cause death or serious injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of death or serious injury to yourself and others.

## ⚠ CAUTION

- This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

**NOTE**

- This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.
- Please read all materials, TOYOTA will not be responsible for unsatisfactory product performance due to failure to follow these instructions. Changes to product may result in differences between content of this manual and actual features of the product.
- Premium AVX is comes with T-Link features and Basic AVX without T-Link features

This symbol on the product means there are important operating and maintenance instructions in this owner's manual. Be sure to carefully read instructions in this owner's manual.

# Important Safety Information

## Precautions

**IMPORTANT**

Please read this manual carefully to ensure proper use before using this product. It is especially important that you read and observe WARNINGS and CAUTIONS in this manual. Please keep the manual in a safe and accessible place for future reference.

### ⚠ WARNINGS

- Do not watch or fix your eyes on the unit's display for any extended period whenever you are driving.
- Do not operate the unit while driving. Keep focus on the road.
- Do not pair Bluetooth devices while driving, stop on a safe road side before attempting to pair any device.
- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without proper training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- If liquid or foreign matter should get inside this product, stop your vehicle in a safe place, turn the ignition switch OFF (ACC OFF) immediately and consult your dealer or the nearest authorized Toyota Service Station. Do not use this product in this condition because doing so may result to fire, electric shock, or other failure.

### To ensure safe driving

Any video won't be played while driving to prevent driver's eyes from fixing on the unit's display. Stop the vehicle in a safe place and apply the parking brake before performing such function.

There are some functions you cannot perform while driving because of the same reason.

### ⚠ CAUTIONS

- To prevent short circuit, never put or leave any metallic objects (such as coins or metallic tools) inside the unit.
- Do not allow this product to come into contact with liquids. Electric shocks as well as damage to the product, smoke, and overheating could result from contact with liquids.
- If you notice any abnormalities such as smoke, strange noise or odor from using this product, or any other abnormal signs on the LCD screen, turn off the power immediately and consult your dealer or the nearest Toyota Service Station. Using this product in this condition may result in permanent damage to the system.
- Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer or the nearest authorized Toyota Service Station for internal inspection, adjustments or repairs.

# Before Use

## Precautions on using this unit

- You can select a language to display menus, audio file tags, etc. See ***Regional Setup (P.8)***.
- The Radio Data System feature won't work in areas where the service is not supported by any broadcasting station.

## Protecting the monitor

- To protect the monitor from damage, do not operate the monitor using a ball point pen or similar tool with a sharp tip.
- If you stick a film screen protector on the screen, it may interfere with touch panel operation.

## Cleaning the unit

- If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the faceplate is stained badly, wipe it with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

**NOTE**

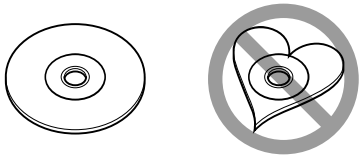
- Applying spray cleaner directly to the unit may damage its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erase the screened print.

## Lens fogging

When you turn on the car heater in cold weather, dew may form on the lens in the disc player of the unit due to condensation. This condensation on the lens (also called lens fogging) may not allow discs to play. In such a situation, remove the disc and wait for the dew to evaporate.

## Precautions on handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use disc type accessories.
- Clean the disc from the center toward the outside rim.
- When removing a disc from this unit, pull it out horizontally.
- If the disc center hole or outside rim has burrs, use the disc only after removing the burrs with a ballpoint pen etc.
- Discs that are not round cannot be used.



- 8-cm (3 inch) discs cannot be used.
- Discs with coloring on the recording surface or discs that are dirty cannot be used.
- This unit can only play the following types of CDs.

- This unit may not correctly play discs which do not have the mark.
- You cannot play a disc that has not been finalized. (For the finalization process, see your writing software and your recorder's instruction manual.)

## Before removing the vehicle battery

It may be necessary to take note of the different settings as the information stored in the head unit is erased by disconnecting the power cable from the battery (or removing the battery itself), however, there are some settings that will not be reset.

## In case of trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Toyota Service Station.

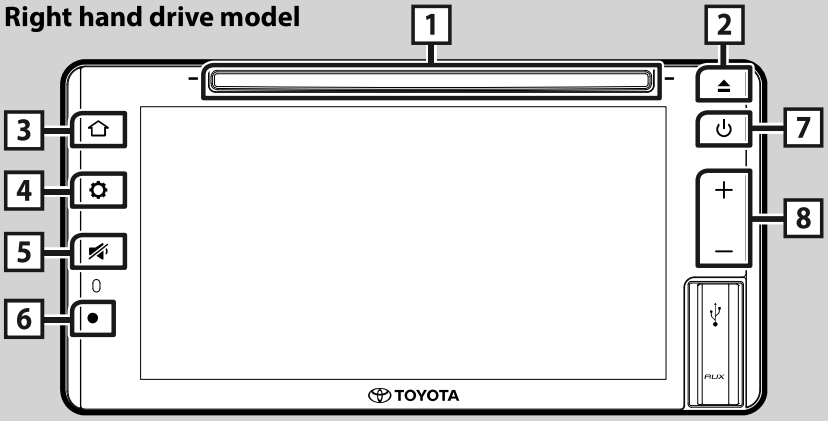
## How to read this manual

- The operations described in this manual is applicable to both left hand and right hand drive models. The illustrations shown in this manual mainly refer to right hand drive models. The difference between right hand and left hand drive models is the arrangement of buttons on the front panel and shortcut buttons on the HOME screen. You may refer to Basic Operations for a visual comparison on button locations between right hand and left hand drive models.
- The screens and panels shown in this manual are just examples used to provide clear explanations of the operations.
  For this reason, they may be different from actual screens and panels used, or some display patterns may be different.
- **Display Language**: English is used as the default language. You can select the display language by accessing the ⚙ button function. See ***Regional Setup (P.8)***.

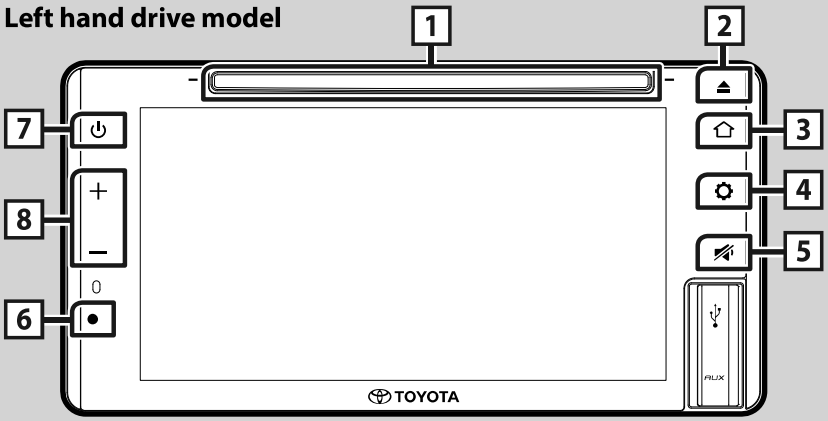
# Basic Operations

## Front Panel Button Functions

**Right hand drive model**




**Left hand drive model**




**NOTE**

- The panels shown in this guide are examples used to provide a clear explanation of operations. For this reason, they may be different from the actual panels.

| Number | Name | Function |
|---|---|---|
| 1 | Disc-loading slot | • A slot to insert a disc media. |
| 2 | Disc eject | • Ejects the disc.<br>• Press and hold to forcibly eject the disc. |
| 3 | Home | • Displays the HOME screen. |
| 4 | Setting | • Displays the popup menu. |
| 5 | Mute | • Mutes/restores the sound. |
| 6 | Remote Sensor | • Receives the remote control signal. |
| 7 | Power | • Press and Hold : Turns on/off the unit ***(P.8)***.<br>• Short Press : Turns on/off "simple display mode" ***(P.10)***. |
| 8 | –, + (Volume) | • Adjusts the volume.<br>The volume will go up to 15 when you keep pressing +. |

## Turning on the Unit

This unit is turned on when the ignition switch is set to ON, and turned off when the ignition is switched.

**1** **Set the ignition switch turned ON position.**

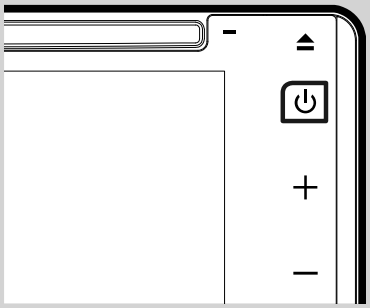
➤ The unit is turned on.

**2** **Read the caution message and touch Agree.**

- Touching **Language** changes the display language.

● **To turn off/on the unit manually:**

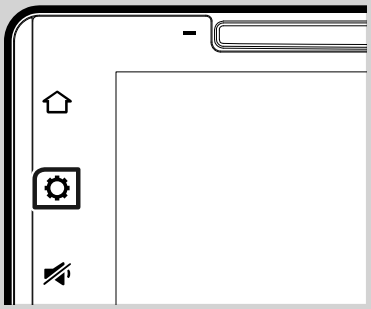
**1** **Press and hold ⏻ button.**



➤ The unit is turned off/on.

## Regional Setup

**1** **Press ⚙ button.**



➤ Popup menu appears.

**2** **Touch ⚙.**

➤ System screen appears.

**3** **Touch Regional.**

➤ Regional screen appears.

**4** **Set each item as follows.**

■ **Language**
Select the desired language.

■ **Time Zone**
Select the time zone.

■ **Time Format**
Select the time display format.
**12-Hour** (Default)/ **24-Hour**

■ **Clock Adjust**
Adjust the date and time manually. ***(P.9)***

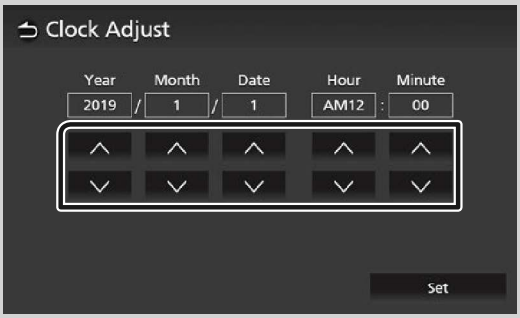
## Adjusting date and time

**1** **Touch Time Zone on the Regional screen.**

**2** **Select the time zone.**

**3** **Touch Clock Adjust on the Regional screen.**

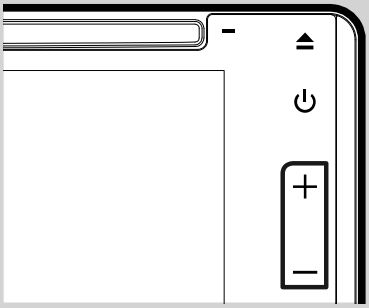
**4** **Adjust the date, then adjust the time.**




**5** **Touch Set.**

## Adjusting the volume

You can adjust the volume (0 to 40).
Press + to increase, and press — to decrease.
Holding + increases the volume continuously to level 15.
Volume level 16 to 40 can be adjusted one step each.

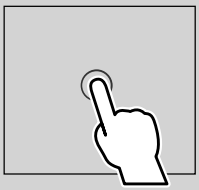


## Touch screen operations

To perform operations on the screen, you need to touch, touch and hold, flick or swipe to select an item or change pages.

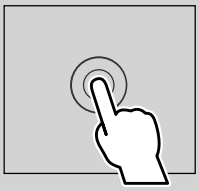
● **Touch**

Touch the screen gently to select an item on the screen.



● **Touch and hold**

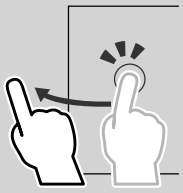
Touch the screen and keep your finger in place until the display changes or a message is displayed.



● **Flick**

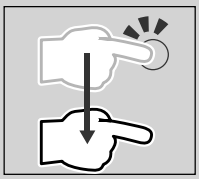
Slide your finger quickly to the left or right on the screen to change the page.

You can scroll a list screen by flicking up/ down on the screen.



● **Swipe**

Slide your finger up or down on the screen to scroll the screen.



## Popup menu

**1** **Press ⚙ button.**

➤ Popup menu appears.

**2** **Touch to display the popup menu.**

The contents of the menu are as follows.

| | |
|---|---|
| Display Adjust | • Displays the display control screen. ***(P.45)*** |
| Picture Adjust | • Displays the picture control screen. ***(P.45)*** |
| System | • Displays the System screen. ***(P.46)*** |
| Audio | • Displays the Audio screen. ***(P.50)*** |
| T-Link | • Displays the T-Link Setup screen.*1 ***(P.28)*** |
| T-Link | • Displays the T-Link screen.*1, *2 ***(P.27)*** |
| Phone | • Displays the Hands Free screen. ***(P.22)*** |
| AV | • Displays the control screen of the current source.*3 |

*1 Premium AVX only

*2 This menu is not available when a T-Link source screen is displayed. If you select this menu while using iPod or Bluetooth Audio source, a message "T-Link can not be used while using iPod / Bluetooth Audio. Would you like to switch to T-Link?" will be displayed.

*3 For Premium AVX, this menu is available when a T-Link source screen is displayed.

## Simple Display Mode

When Simple Display Mode is enabled, the screen will only display time, date and current playback source information.

**1** **Press ⏻ button.**

● **To back to the original screen:**

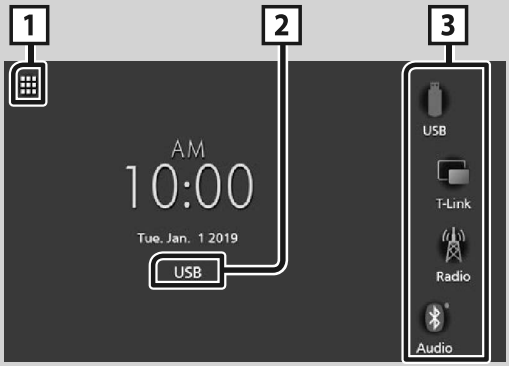
**1** **Press ⏻ button.**

➤ AVX displays the original screen.

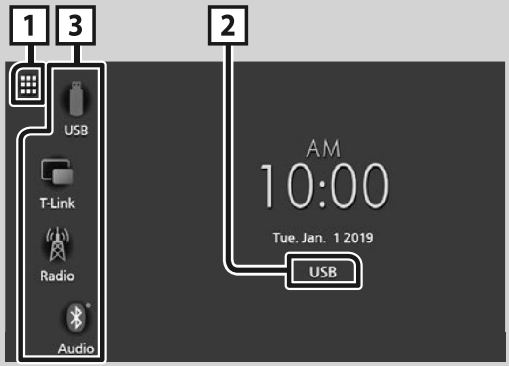
## HOME screen descriptions

Most functions can be performed from the HOME screen.

### *Right hand drive model*



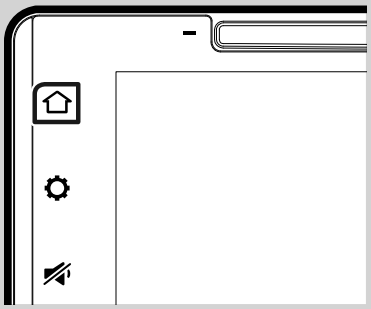

### *Left hand drive model*




| | |
|---|---|
| 1 | • Displays the source selection screen. ***(P.12)*** |
| 2 | • Current source information.<br>• Touch to display the control screen of the current source. |
| 3 | • Short-cut playback source icons ***(P.13)*** |

## Display the HOME screen

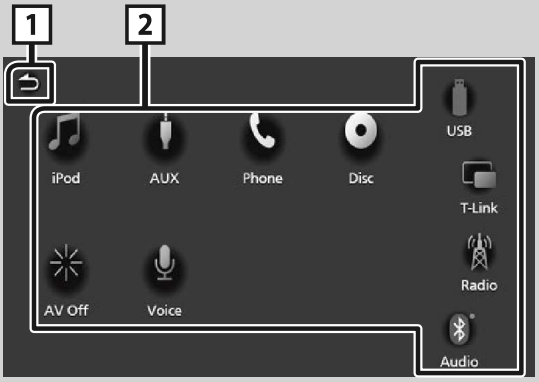
**1 Press ⌂ button.**



➤ HOME screen appears.

## Source selection screen description

You can display icons of all playback sources and options on the source selection screen.




| | |
|---|---|
| 1 | • Returns to the previous screen. |
| 2 | • Changes playback sources.<br>For playback sources, see ***P.12***. |

## Select the playback source

**1** **Press ⌂ button.**

➤ HOME screen appears.

**2** **Touch ▦.**

From the screen, you can select the following sources and functions.

| | |
|---|---|
| Phone | • Displays the Hands Free screen. ***(P.22)*** |
| T-Link | • Switches to the T-Link screen from the connected iPhone/Android device.*1 ***(P.27)*** |
| Audio | • Plays a Bluetooth audio player. ***(P.16)*** |
| Radio | • Switches to the Radio broadcast. ***(P.40)*** |
| Disc | • Plays a disc. ***(P.29)*** |
| AUX | • Switches to an external component connected to the AUX input terminal. ***(P.44)*** |
| USB | • Plays files on a USB device. ***(P.35)*** |
| iPod | • Plays an iPod/iPhone. ***(P.38)*** |
| AV Off | • Turns off the AV source. ***(P.13)*** |
| Voice | • Displays the Voice Recognition screen. ***(P.23)*** |

*1 Premium AVX only.

### *To select the playback source on the HOME screen*

The 4 items displayed on the source selection screen with large icons are shown on the HOME screen.

You can change the items displayed on this area by customizing the source selection screen. ***(P.13)***

## To turn off the AV source

**1** **Press** ⌂ **button.**

➤ HOME screen appears.

**2** **Touch** ▦.

**3** **Touch AV Off.**

## Customize Short-cut buttons on HOME screen

You can arrange the positions of the source icons as you like.

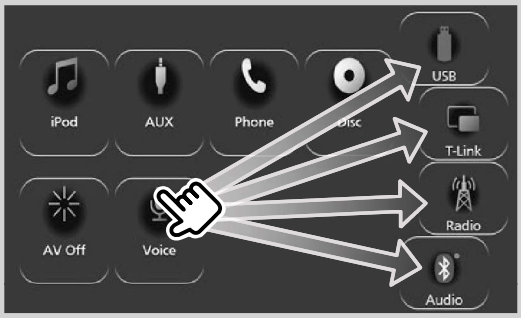
**1** **Press** ⌂ **button.**

➤ HOME screen appears.

**2** **Touch** ▦.

**3** **Touch and hold the icon which you want to move in the customizing mode.**

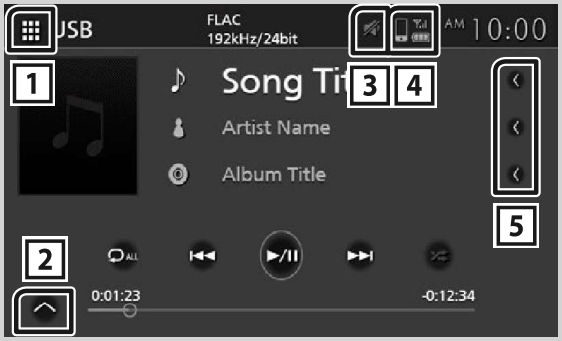
**4** **Drag the icon to the desired position.**



## Source control screen descriptions

There are some functions which can be performed from most screens.

Indicators




Sub-control panel

**1 All sources icon**

Displays the source selection screen. ***(P.12)***

**2 Sub-control panel**

/ : Displays/hides the sub-control panel.
This function is available in Disc and USB source.

**3**

Mute icon is indicated while AVX is muting.

**4**

Connected Bluetooth phone information.

**5 Text scroll**

Scrolls the displayed text.

## List screen

There are some common function keys in the list screens of most sources.

**1 Return**

Returns to the previous screen.

**2**

Displays the list type selection window.

**3 etc.**

Keys with various functions are displayed here.

- : Moves to the upper hierarchy level.
- : Plays all tracks in the folder containing the current track.
- : Jumps to the letter you entered (alphabetical search).

**4**

Displays a music/movie file list.

**5 Text scroll**

Scrolls the displayed text.

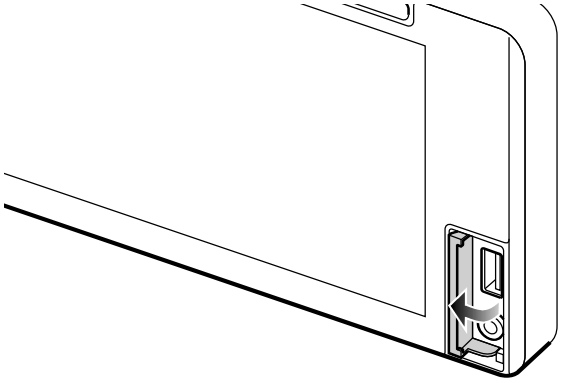
**NOTE**

- Depending on the current source or mode, some function key may not appear.

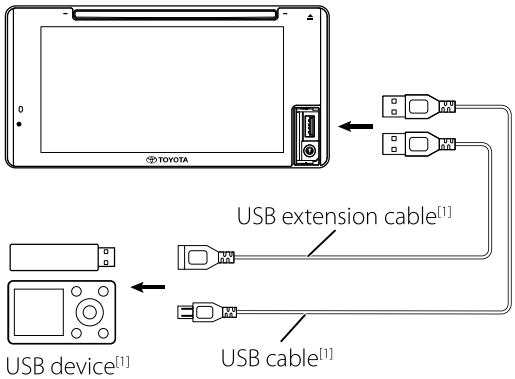
# Connection

## Wired Connection

This unit can be connected to external devices. Open the front port cover and connect the external device via the following accessory.

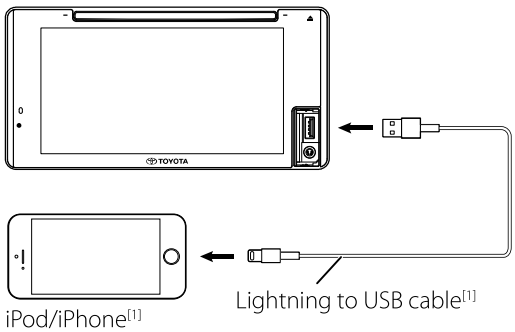


### Connecting a USB device



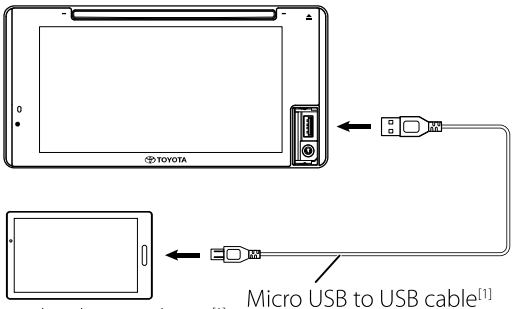

[1] Sold separately

### Connecting an iPod/iPhone




[1] Sold separately

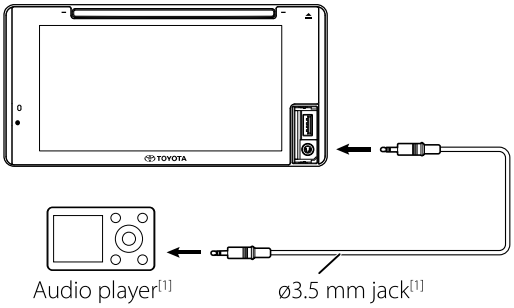
### Connecting an Android smartphone




[1] Sold separately

### Connecting an external component

You can connect an external component to the AUX input terminal.




[1] Sold separately

### ⚠ WARNING

- Install the USB device/ iPod/ iPhone/ Android smartphone and Audio player in the place where it will not affect safe driving.

**NOTE**

- Do not keep the USB device/ iPod/ iPhone/ Android smartphone/ Audio player and USB cable in the car to avoid damage by heat.

# Bluetooth Control

Using the Bluetooth function allows you to use various functions such as listening to the audio file and making/receiving a call.

## Information for using Bluetooth® devices

Bluetooth is a short-range wireless radio communication technology for mobile devices such as mobile phones, portable PCs, and other devices.

Bluetooth devices can be connected without cables and communication with each other.

### ⚠ WARNING

- While driving, do not perform complicated operations such as dialing numbers, using the phone book, etc. When you perform these operations, stop your car in a safe place.

**NOTE**

- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting conditions may vary depending on your environment.
- Some Bluetooth devices are disconnected when this unit is turned off.

### About the mobile phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version
Bluetooth Ver. 4.1

Profiles
Mobile phone:
HFP (V1.7) (Hands Free Profile)
SPP (Serial Port Profile)
PBAP (Phonebook Access Profile)

Audio player:
A2DP (Advanced Audio Distribution Profile)
AVRCP (V1.6) (Audio/Video Remote Control Profile)

Sound codec
SBC, AAC

**NOTE**

- The units supporting the Bluetooth function have been certified for conformity with the Bluetooth Standard according to the procedure prescribed by Bluetooth SIG.
  However, it may be impossible for such units to communicate with your mobile phone depending on its type.

## Register the Bluetooth device

It is necessary to register the Bluetooth audio player or mobile phone in this unit before using the Bluetooth function.

You can register up to 10 Bluetooth devices.

**NOTE**

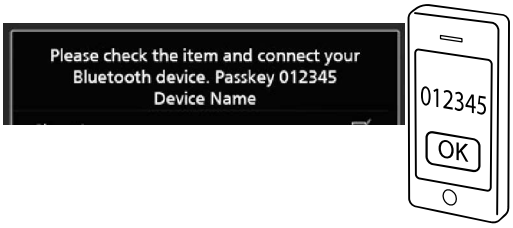
- Up to 10 Bluetooth devices can be registered. If an attempt is made to register the 11th Bluetooth device, the Bluetooth device connected on the earliest date will be deleted to register the 11th one.
- This AVX is compatible with the Apple Easy Pairing function.
  When an iPhone is connected to AVX via USB cable, a Bluetooth connection dialog appears. Please select the function and connect your iPhone.

**1 Search for the unit ("Car Multimedia") from your smartphone/mobile phone.**

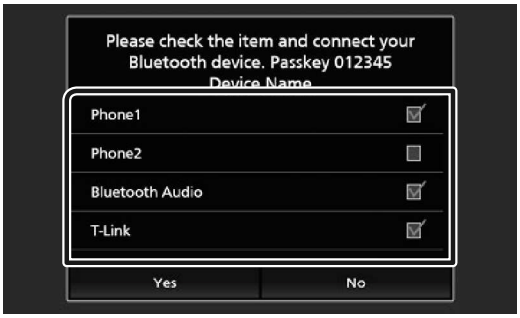
Complete steps 1 to 4 within 30 seconds.

**2 Operate your smartphone/mobile phone according to the displayed messages.**

● **Confirm the request both on the smartphone/mobile phone.**




**3 Select the function you want to use.**




■ **Phone1 / Phone2**

Select the hands-free number to connect.

■ **Bluetooth Audio**

Put checkmark to use Bluetooth Audio.

■ **T-Link (Premium AVX only)**

Put checkmark check to use T-Link.

**4 Touch Yes.**

When data transmission and connection have completed, the Bluetooth telephone connection icon appears on the screen.

**NOTE**

- If the mobile phone supports PBAP, the phonebook data is downloaded automatically when you select **Phone1** or **Phone2**.
- For some mobile phones, you may need to operate the mobile phone to download the phonebook data.
- If the PIN Code is displayed in the message, input the PIN Code in your smartphone/mobile phone. The PIN Code is set to "0000" as the default.

## Bluetooth Setup

**1** Press ⚙ button.

➤ Popup menu appears.

**2** Touch ⚙⚙.

➤ System screen appears.

**3** Touch **Connectivity**.

➤ Connectivity screen appears.

**4** Set each parameter as follows.

■ **Bluetooth**
Set whether to use the Bluetooth function.

■ **Device Select**
Connect the Bluetooth device. ***(P.18)***

■ **Auto Pairing**
When set to "ON", the Apple Auto Pairing function is turned on to automatically register the iPhone connected to this unit.

**ON** (Default): Turns on the Apple Auto Pairing function.

**OFF**: Turns off the Apple Auto Pairing function.

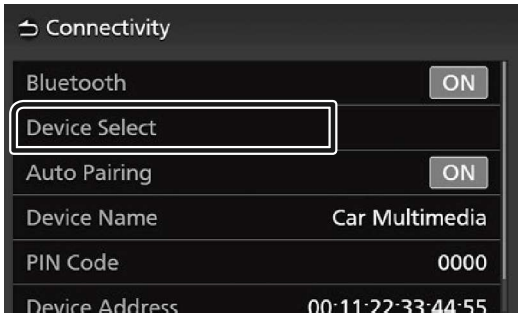
■ **Device Name**
Change the device name. ***(P.19)***

■ **PIN Code**
Change the PIN Code. ***(P.19)***

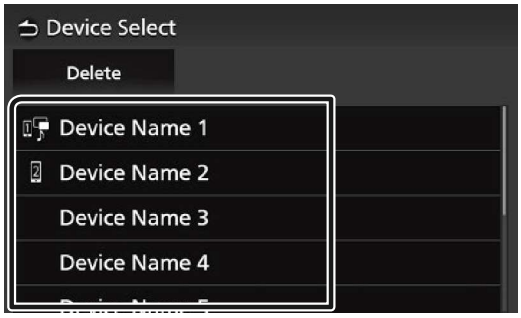
■ **Device Address**
Displays the media access control address.

## Connect the Bluetooth device

**1** Touch **Device Select** on the Connectivity screen.




**2** Touch the name of the device you want to connect.

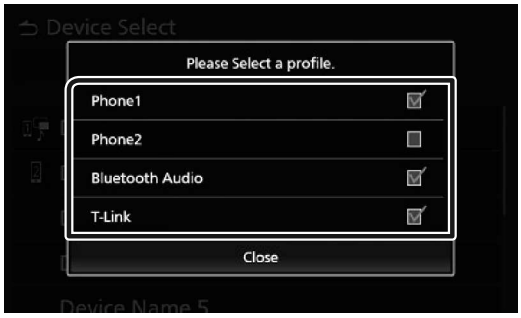



➤ Profile select screen appears.

**NOTE**

- If the icon is lighted, it means that the unit will use that device.

**3** Set each profile as follows.




■ **Phone1, Phone2**
Select when the device is connected with the unit as hands-free phone 1 or 2.

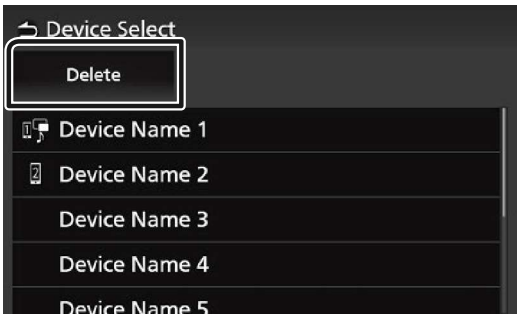
■ **Bluetooth Audio**
Select to use as an audio player.

■ **T-Link (Premium AVX only)**
Select to use as the T-Link source.

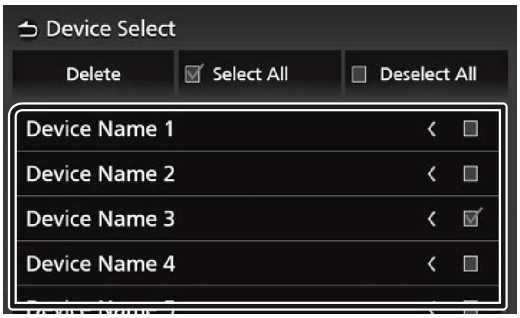
**4** Touch **Close**.

### *To delete the registered Bluetooth device*

**1** Touch **Delete**.




**2** Touch the device name to check.




■ ☑ **Select All**
Selects all Bluetooth devices.

■ ☐ **Deselect All**
Clears all check marks.

**3** Touch **Delete**.
➤ Confirmation message appears.

**4** Touch **Yes**.

## Change the device name

**1** Touch **Device Name** on the Connectivity screen.
➤ Change Device Name screen appears.

**2** Touch and hold BS.

**3** Input the device name.

**4** Touch **Enter**.

## Change the PIN Code

**1** Touch **PIN Code** on the Connectivity screen.
➤ Change PIN Code screen appears.

**2** Touch and hold BS.

**3** Input the PIN Code.

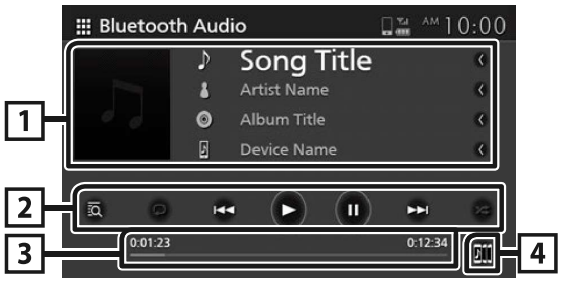
**4** Touch **Set**.

# Playing the Bluetooth Audio Device

Most functions can be controlled from the source control screen.

To select Bluetooth source, touch **Audio** icon on the source selection screen. ***(P.12)***

## Bluetooth basic operation




### 1 Information display

- Displays the current track information.
- Connected device name.

### 2 Operation keys *

- : Searches for a file. See ***File search (P.21)***.
- ⏮ ⏭: Searches for the previous/next content.
  Touch and hold to fast forward or fast backward.
- ▶: Plays.
- ⏸: Pauses.
- : Repeats the current track/folder. Each time you touch the key, repeat modes are switched in the following sequence:
  File repeat ( ), All songs repeat ( ), Repeat off ( )
- : Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence:
  All random ( ), Random off ( )

* These items appear only when the audio player which supports AVRCP profile is connected.

### 3 Playing time

For confirmation of current playing position.

### 4

Bluetooth audio devices can be switched easily to play music. See ***Bluetooth Audio Device Change (P.21)***.

**NOTE**

- The operation buttons, indications and information displayed on the screen differ depending on the connected device.
- If the operation keys do not appear, operate from the player.
- Depending on your mobile phone or audio player, sound may be heard and controlled but text information may not appear.
- If the volume is too low, raise it on your mobile phone or audio player.

## Bluetooth Audio Device Change

Up to five Bluetooth audio device can be connected and switched easily to play music.

**1 Touch .**

➤ A list of registered devices is displayed.

**2 Touch of device name you want to connect.**

- Touching on the left of the connected device ( ) disconnects this device.

**3 Touch (white) on the left of the name of the device to be played.**

(white) changes to (Blue) and starts playback.

- (Gray) : Not connected.
- (White) : Connected.
- (Blue) : During playback.

**4 Touch .**

**NOTE**

- If a connected Bluetooth audio device is operated to play music, connections are switched.
- When a Bluetooth source is switched to another one, its settings are deleted and the connection is restored to the connection before source switching.

## File search

**1 Touch .**

**2 Touch the desired file or folder.**

When you touch a folder its contents are displayed.

**3 Touch the desired item in the content list.**

➤ Playback starts.

**NOTE**

- For operations in the list screen, see ***List screen (P.14)***.

# Using the Hands-Free Unit

You can use the telephone function by connecting the Bluetooth telephone to this unit.

## Make a call

**1** **Press** **button.**
➤ HOME screen appears.

**2** **Touch** .

**3** **Touch** **Phone**.
➤ Hands Free screen appears.

**NOTE**

- If your mobile phone supports PBAP, you can display the phone book and call lists onto the touch panel screen when the mobile phone is connected.
  – Phone book: up to 1000 entries
  – Up to 50 entries including dialed calls, received calls, and missed calls

**4** **Select a dialing method.**

- : Call using call history
- : Call using the phonebook
- : Call by entering a phone number

### ● Select the mobile phone to use

When you connect two mobile phones

1) Touch to select the phone you want to use.

### ● Phone Setup

1) Touch .
Phone Setup screen appears. ***(P.26)***

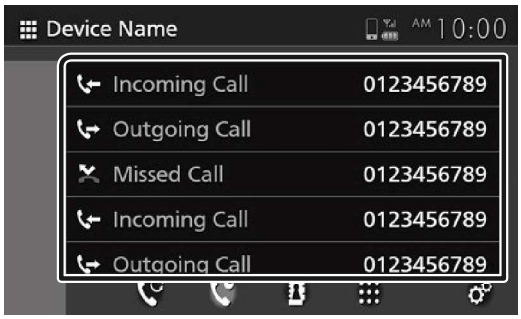
**NOTE**

- Bluetooth hands free sound quality and performance also depend on mobile phones and carrier conditions.
- Status icons such as battery and antenna icons may differ from those displayed on the mobile phone.
- Setting the mobile phone in the private/ visibility off mode can disable the hands-free function.

### *Call using call history*

**1** **Touch** .

**2** **Select the phone number from the list.**




### *Call using the phonebook*

You can use the phonebook data of the selected mobile phone to make a call.

Before starting this procedure, it is necessary to download the phonebook data. For details, see ***Phonebook transfer (P.25)***.

**1** **Touch** .

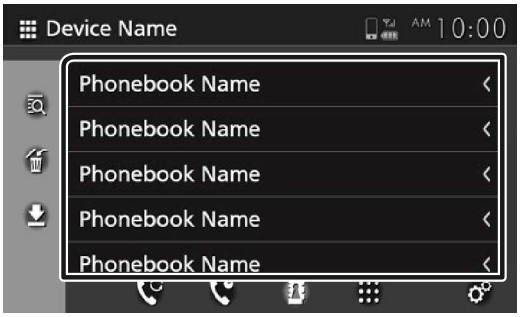
**2** **Touch** .

**3** **Select the initial.**

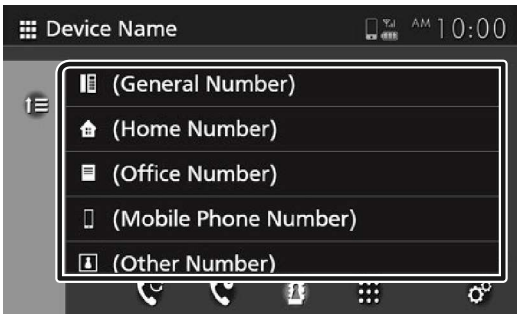
- Special characters cannot be searched using this function.

- Accented first characters of each name entry can be searched using the equivalent normal character of that letter. i.e. Ñ can be searched as N
- Accented characters cannot be searched in the middle of the word.

**4 Select the person you want to call from the list.**




**5 Select the phone number from the list.**




**NOTE**

- You can sort the phone numbers in the list by last name or first name. For details, see ***Phone Setup (P.26)***.

### *Call by entering a phone number*

**1 Touch** .

**2 Enter a phone number with number keys.**

**3 Touch** .

## Voice Recognition

You can access the voice recognition function of the mobile phone connected to this unit. You can search the mobile phone phonebook by voice. (The functionality depends on the mobile phone.)

**1 Press** ⌂ **button.**

➤ HOME screen appears.

**2 Touch** .

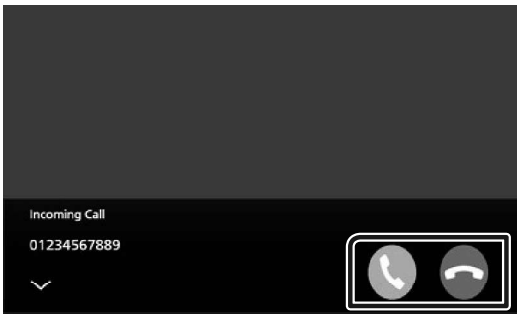
**3 Touch Voice. *(P.12)***

➤ Voice Recognition screen appears.

**4 Start speaking.**

## Receive a call

**1 Touch to answer a phone call or to reject an incoming call.**




**NOTE**

- While monitoring the picture from the view camera, this screen does not appear even if a call comes in.

### *To end call*

**1 While talking, touch .**

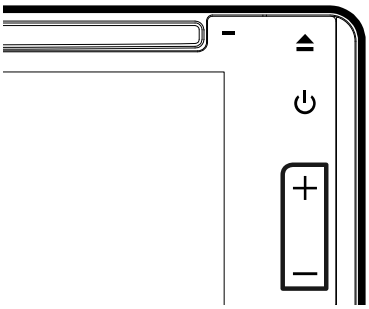
## Operations during a call

**● Adjust the volume of your voice**

1) Touch .
2) Touch or for **Microphone Level**.

**● Adjust the receiver volume**

Press the – or + button.



**● Mute your voice**

Touch to mute or not to mute your voice.

**● Output the dial tone**

Touch to display the tone input screen. You can send tones by touching desired keys on the screen.

**● Switching between speaking voice output destinations**

Touching / each time switches speaking voice output destinations between the mobile phone and the speaker.

**● Call-waiting**

When you receive a new call while talking on the phone, you can answer the newly received call by touching . The current call is put on hold.

Each time you touch , the caller will change to the other one.

When you touch , the current call will end to be switched to the call waiting on hold.

**● To close the Hands-Free popup screen**

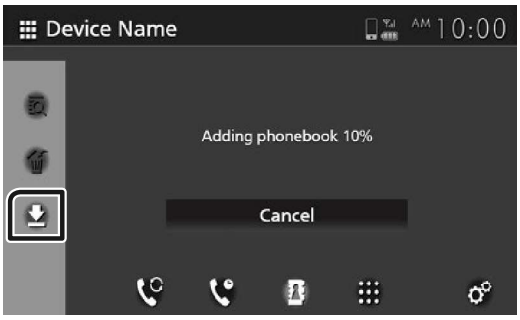
Touching to close the Hands-Free popup screen. To display it again, touch at the top of the screen.

## Phonebook transfer

You can transfer phonebook data from your Bluetooth phone using PBAP.

**1** **Touch** .

**2** **Touch** .




➤ Phonebook data transfer starts.

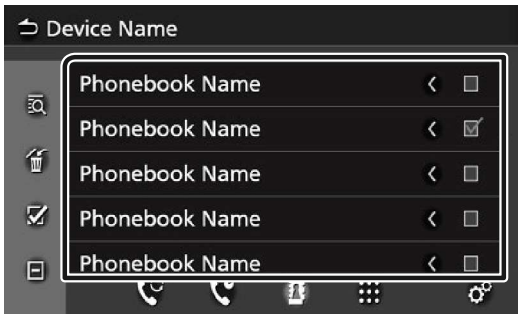
**NOTE**

- If the Phonebook contains more than 1000 entries, Phonebook data cannot be transferred.
- The phonebook data of up to 10 Bluetooth devices can be stored.
- When you connect the mobile phone of which the phonebook data is downloaded before, the downloaded data will be displayed.
- If you download the phonebook data from the same device again, the data will be overwritten.

### *Phonebook deletion*

**1** **Touch** .

**2** **Touch the name to check.**




■

Checks all boxes.

■

Clears all check marks.

**3** **Touch** .

➤ Confirmation message appears.

**4** **Touch Yes.**

## Phone Setup

You can make various settings for the Hands-Free function.

**1** **Press** **button.**

➤ HOME screen appears.

**2** **Touch** .

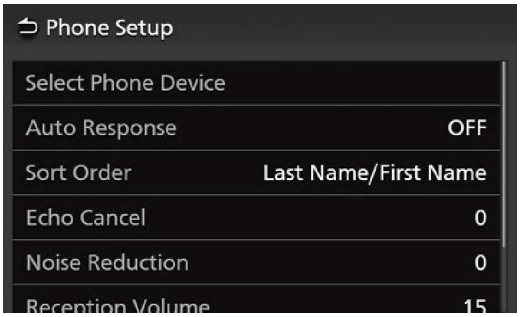
**3** **Touch** **Phone**.

➤ Hands Free screen appears.

**4** **Touch** .

➤ Phone Setup screen appears.

**5** **Set each function as follows.**




### ■ Select Phone Device

Select the mobile phone to use as the Hands-Free phone 1 or 2 from the registered device list.

Touching or switches the selected phone device.

### ■ Auto Response*

Set the automatic response time to pick-up an incoming call.

**OFF** (Default): Turns off the Automatic response function.

**1** / **5** / **10** / **15** / **20** / **25** / **30**: Sets the ringing time (second).

### ■ Sort Order

Set how to sort the data in the mobile phone phonebook.

**First Name/Last Name**: Sorts data by the first name.

**Last Name/First Name** (Default): Sorts data by the last name.

### ■ Echo Cancel

Adjust the level of echo cancellation.

Default is "0".

### ■ Noise Reduction

Reduce the noise generated in the surrounding environment without changing the microphone volume. Use this function when the voice of caller is not clear. Default is "0".

### ■ Reception Volume

Adjust the receiver volume.

Default is "15".

### ■ Incoming Ring Tone Volume

Adjust the ring tone volume of a new incoming call while talking.

Default is "15".

* Either the auto response time set on this unit or the time set on the mobile phone, whichever is shorter takes effect.

# T-Link (Premium AVX)

You can display the same screen of the smartphone on the monitor of the unit using the T-Link source.

## Preparation

**1 Download "T-Link" from (Apple) App Store or Google Play.**

T-Link is a free Application.

Compatible devices are the following

- iOS version 11 or later
- Android version 5.0 (Lollipop) or later/Linux kernel version 3.5 or later
- T-Link compatibility may differs with later iOS / Android version & may impact functionality
- Bluetooth support

For the case if you can not find "T-Link" App in Google Play, please search again by inputting as "T-Link JVCKENWOOD".

**2 Pair your smartphone with AVX via Bluetooth.**

See ***Register the Bluetooth device (P.17)*** and ***Connect the Bluetooth device (P.18)***.

**NOTE**

- 2-way touch control ability may vary depending on iOS / Android operating system version.
- Some Smartphone Video Apps or Video contents can not be displayed to AVX screen due to App specification or copy-right policy.
- While using T-Link, Smartphone temperature may be increased due to the below factors.
  - Keep running Nav App and/or Music straming App.
  - Keep running Wi-Fi, GPS and Bluetooth.

  If you recognize that your Smartphone gets hot, please stop using T-Link and disconnect USB.

## Connecting a smartphone

### Connecting an iPhone

**1 On your iPhone, launch "Settings". Touch "Control Center" and then "Customize Controls".**

**2 Touch "Screen Recording" and add to "INCLUDE" list.**

**3 Launch Control Center of your iPhone, touch and hold Screen Recording icon and then touch "T-Link" and start broadcast.**

**4 Connect your iPhone with AVX via Lightning to USB cable. *(P.15)***

### Connecting an Android device

**1 Connect your Android Smartphone via USB cable. *(P.15)***

**2 Launch T-Link App on your Android Smartphone.**

Press "Start now" to start capturing your Android screen.

Press "OK" to start T-Link.

Turn on "Overlay Permission" of T-Link.

Turn on "Accessibility Service" to be able to filter drive-safe apps.

**3 Start to enjoy T-Link.**

**NOTE**

- You can check "how to" tutorial in T-Link App.
- When you use T-Link first time, T-Link terms of service are displayed. It is necessary to agree to the T-Link terms of service to use this function.

## T-Link Operation

**1 Operate your smartphone to activate T-Link App, then connect to this unit. *(P.27)***

**2 Press ⌂ button.**

➤ HOME screen appears.

**3 Touch ▦.**

**4 Touch T-Link. *(P.12)***

➤ The caution message screen is displayed.

**5 Read the caution message and touch Agree.**

➤ T-Link screen appears.

**NOTE**

- T-Link is discontinued when you switch to another source screen. However, while displaying the current screen, you can switch to another source by using the steering wheel switches or "AV Source Select" on the T-Link Setup screen.
- While you use the T-Link function with an iPhone, T-Link is discontinued by the following operations. To resume the T-Link functions, disconnect the USB cable and try connecting it again.
  – Receiving a call
  – iPhone's screen recording function is stopped.
  – iPhone screen is turned off.
- Some Apps may not sound.
- While you use the T-Link function with an Android device, the software keyboard is displayed only when you operate the Android device and enable the virtual keyboard beforehand.
- For more information on T-Link, refer to the instruction manual supplied with T-Link App.
- While the T-Link function is enabled, you cannot use USB source.
- You cannot use both T-Link and iPod source at the same time.
- You cannot use both T-Link and Bluetooth Audio source at the same time.
- After you end to use the T-Link function, stop broadcast on iPhone's screen recording function. Otherwise iPod and Bluetooth Audio sources may not work correctly.

## T-Link Setup

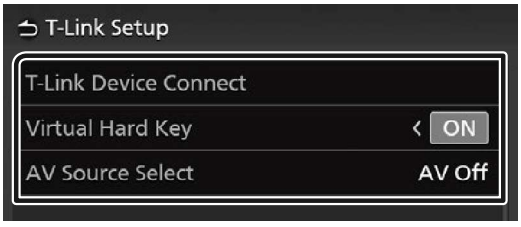
**1 Press button.**

➤ Popup menu appears.

**2 Touch .**

➤ T-Link Setup screen appears.

**3 Set each item as follows.**



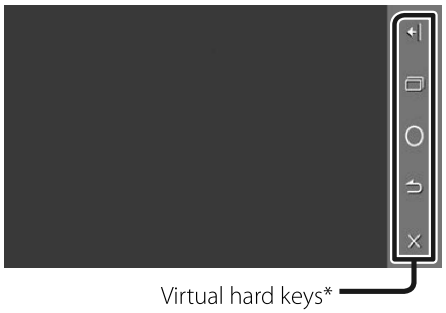

### ■ T-Link Device Connect

Select the desired smartphone to use as T-Link from the registered device list.

Touching switches the selected phone device.

### ■ Virtual Hard Key

Set whether to display the virtual hard key of the smartphone.




You can operate the App by these virtual hard keys in a similar way by the hard keys on the smartphone.

/ : Changes the virtual hard keys position.

(Android only) : Recent Apps key

: Home key

(Android only) : Back key

: Closes the virtual hard keys.

**NOTE**

- Each function of the virtual hard keys differs depending on the connected device and may differ from the function operated on the device.
- The virtual hard keys can be displayed even if there is no hard key on the connected device.

* These keys differ depending on the connected device.

### ■ AV Source Select

While using T-Link, you can play media file in the background.

The media file from the following sources can be played.

CD/ Radio/ AUX/ AV Off

# Disc

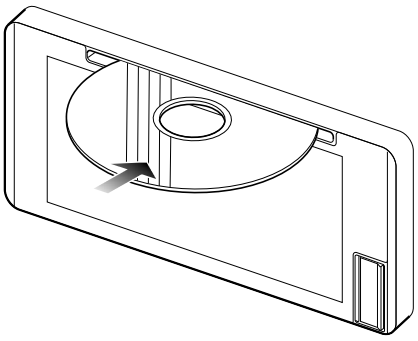
## ⚠ WARNING

- Any video won't be played while driving to prevent driver's eyes from fixing on the unit's display. Stop the vehicle in a safe place and apply the parking brake before performing such function.

## Playing a disc

### Insert a disc

**1 Insert the disc into the slot.**



➤ The unit loads the disc and playback starts.

## ⚠ CAUTION

- Do not insert anything other than a disc into the disc-loading slot.

**● Starting the disc playback manually**

**1 Press ⌂ button.**
➤ HOME screen appears.

**2 Touch ⊞.**

**3 Touch Disc.**

### Eject a disc

**1 Press ⏏ button.**
When removing a disc, pull it horizontally.

**NOTE**

- To forcibly eject the disc, press and hold ⏏ for 2 seconds.

## DVD/ Video-CD Basic Operation

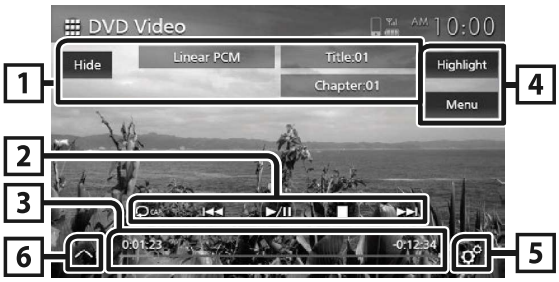
Most functions can be controlled from the source control screen and playback screen.

**NOTE**

- The screen shot below is for DVD. It may be different from the one for Video-CD.

**1 When the operation buttons are not displayed on the screen, touch the display.**

**Control screen**




**Sub-control panel**

**DVD**

**Video-CD**

**Video screen**

**1 Information display area**

Displays the following information.

- **Linear PCM, etc.**: Audio format
- **Title #**, **Chapter #**: DVD title and chapter number
- **Track #**/**Scene #:** Video-CD track or scene number. Scene # is displayed only when Playback control (PBC) is on.

- **Hide**: Hides the control screen.
- **Selection** Switch to the scene registered in Video-CD. (Video-CD (PBC On) only)

### 2 Operation keys

- : Repeats the current content. Each time you touch the key, repeat modes are switched in the following sequence;
  **DVD**: Title repeat ( ), Chapter repeat ( ), Repeat off ( )
  **Video-CD** (PBC On): Does not repeat
  **Video-CD** (PBC Off): Track repeat ( ), Repeat off ( )
- ⏮ ⏭ : Searches for the previous/next content.
  Touch and hold to fast-forward or fast-backward the disc.
- ⏯ : Plays or pauses.
- ■ : Stops.
- : Displays the direct scene search screen. For details, see ***Direct Scene search (P.32)***. (Video-CD (PBC On) only)
- : Returns to the previous scene. (Video-CD (PBC On) only)

### 3 Playing time (DVD only)

For confirmation of current playing position. You can drag the circle left or right to change the playing position.

### 4 Function keys (DVD only)

- **Highlight**: Touch to display the DVD Video highlight screen. See ***Highlight control (P.33)***.
- **Menu**: Touch to display the DVD Video disc menu control screen. See ***DVD Disc Menu Operation (P.33)***.

### 5 (DVD main control screen only)

Touch to display the DVD Setup screen. See ***DVD Setup (P.34)***.

### 6 Sub-control panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.

- : Fast-forwards or fast-backward the disc. Each time you touch the key, the speed changes. 2 times, 10 times.
- (DVD only): Plays in slow motion forward or backward.
- **PBC** (Video-CD only): Touch to turn Playback control (PBC) on or off.
- **Audio** (Video-CD only): Touch to change audio output channels.
  - **1chLL/2chLL**: Identifies the left audio output of channel 1 or 2.
  - **1chLR/2chLR**: Identifies the monaural audio output of channel 1 or 2.
  - **1chRR/2chRR**: Identifies the right audio output of channel 1 or 2.
  - **1chST/2chST**: Identifies the stereo audio output of channel 1 or 2.
  - **LL**: Identifies the left audio output.
  - **LR**: Identifies the monaural audio output.
  - **RR**: Identifies the right audio output.
  - **ST**: Identifies the stereo audio output.

### 7 Key display area

Touch to display the control screen.

**NOTE**

- The control screen disappears when no operation is done for 5 seconds.
- If you use a remote control, you can jump directly to the desired image by entering the chapter number, scene number, play time, etc. ***(P.58)***.

# Music CD/ Disc media Basic Operation

Most functions can be controlled from the source control screen and playback screen.

**NOTE**

- In this manual, "Music CD" means a general CD which includes music tracks.
  "Disc media" means a CD/DVD disc which includes audio or video files.
- The screen shot below is for disc media. It may be different from the one for CD.

### Control screen

**Music file**

**Video file**

**Sub-control panel**

### 1 CODEC (Premium AVX)

When a high-resolution source is played, its format information is displayed. (Disc media only)

### 2 Track information

Displays the information of the current track/ file.

Only a file name and a folder name are displayed if there is no tag information. (Disc media only)

### 3 Operation keys

- : Displays the Music list (Music CD only) or the Folder List (Disc media only). For details on search operation, see ***Search Operation (P.32)***.
- ⏮ ⏭ : Searches for the previous/next content.
  Touch and hold to fast-forward or fast-backward the disc.
- ⏯ : Plays or pauses.
- : Repeats the current track/folder. Each time you touch the key, repeat mode switches in the following sequence;
  Track/ File repeat ( ), Folder repeat ( ) (Disc media only), Repeat all ( )
- : Randomly plays all tracks in current folder/disc. Each time you touch the key, random mode switches in the following sequence;
  Track random ( ) (Music CD only), Folder random ( ) (Disc media only), Random off ( )

### 4 Sub-control panel (Disc media only)

Touch the left side of the screen to display the function panel. Touch again to close the panel.

- : Searches for the previous/next folder.

### 5 Playing time

For confirmation of current playing position. You can drag the circle left or right to change the playing position.

### 6 Hide (Video file only)

Hides the control screen.

### Video screen

### 7 Key display area (Video file only)

Touch to display the control screen.

## Search Operation (Music CD/ Disc media only)

You can search for a track/file.

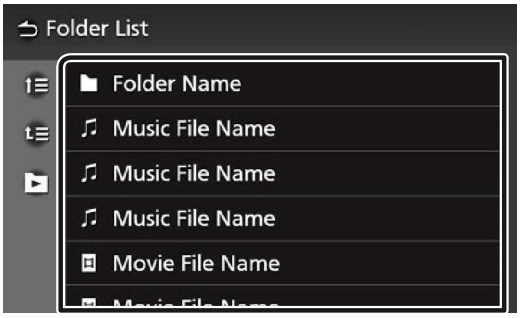
**NOTE**

- For operations in the list screen, see ***List screen (P.14)***.
- The screen shot below is for disc media. It may be different from the one for CD.

**1** **Touch** .

➤ Folder List screen appears.

**2** **Touch the desired item in the content list.**




■ **(Disc media only)**

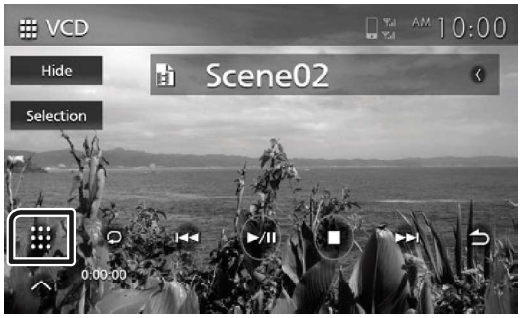
You can search for the other folder and select to play all files in the folder.

When you touch a folder, its contents are displayed.

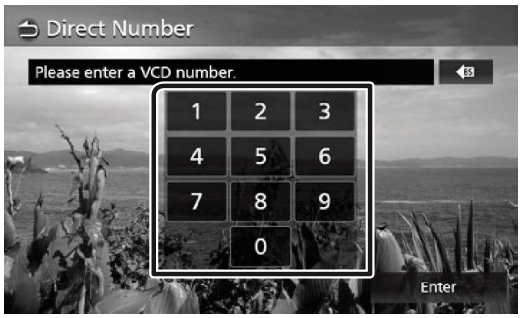
## Direct Scene search (Video-CD (PBC On) only)

**1** **Touch the display during playback.**

**2** **Touch** .




**3** **Enter the scene number.**




**4** **Touch Enter.**

**NOTE**

- To clear the number you entered, touch **BS**.

## DVD Disc Menu Operation

You can set up some functions using the DVD-VIDEO disc menu.

**1 Touch the display during playback.**

**2 Touch Menu.**

➤ Menu Control screen appears.

**3 Perform your desired operation as follows.**

■ **To display the top menu**
Touch **Top**.*

■ **To display the menu**
Touch **Menu**.*

■ **To display the previous menu**
Touch **Return**.*

■ **To enter selected item**
Touch **Enter**.

■ **To enable direct operation**
Touch **Highlight** to enter the highlight control mode ***(P.33)***.

■ **To move the cursor**
Touch ▲, ▼, ◄, ►.

■ **To switch among subtitle languages**
Touch **Subtitle**. Each time you touch this key, subtitle languages are switched.

■ **To switch among audio languages**
Touch **Audio**. Each time you touch this key, audio languages are switched.

■ **To switch among picture angles**
Touch **Angle**. Each time you touch this key, picture angles are switched.

■ **To close the Menu Control screen**
Touch **Hide**.

* These keys may not function depending on the disc.

### Highlight control

Highlight control lets you control the DVD menu by touching the menu key directly on the screen.

**1 Touch Highlight on the Menu Control screen.**

**2 Touch your desired item on the screen.**

**NOTE**

- The highlight control function is cancelled automatically if you do not operate for a predetermined period of time.

## DVD Setup

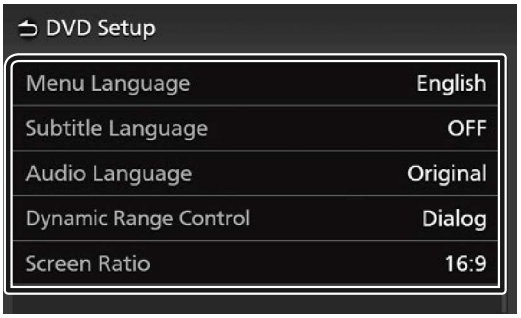
You can set up the DVD playback functions.

**1 Touch the display during playback.**

**2 Touch .**

➤ DVD Setup screen appears.

**3 Set each function as follows.**




■ **Menu Language / Subtitle Language / Audio Language**

See ***Language setting (P.34)***.

■ **Dynamic Range Control**

Sets the dynamic range.

**Wide** : The dynamic range is wide.

**Normal** : The dynamic range is normal.

**Dialog** (Default): Makes the total sound volume larger than the volumes in other modes. This is effective only when the Dolby Digital software is in use.

■ **Screen Ratio**

Sets the screen display mode.

**16:9** (Default): Displays wide pictures.

**4:3 LB** : Displays wide pictures in the Letter Box format (having black stripes at the top and bottom of screen).

**4:3 PS** : Displays wide pictures in the Pan & Scan format (showing pictures cut at the right and left ends).

### Language setting

This setting is for the languages used for the menu, subtitle, and voice.

**1 Touch the desired item; Menu Language , Subtitle Language , Audio Language .**

➤ Language Set screen appears.

**2 Select a language.**

For language codes, refer to ***DVD Language Codes (P.64)***.

Touch **Close** to set the entered language and return to the DVD Setup screen.

**NOTE**

- To set the DVD's original language as the audio language, touch **Original** .
- The selectable languages on each setting is varied depends on the disc.

# USB

## ⚠ WARNING

- Any video won't be played while driving to prevent driver's eyes from fixing on the unit's display. Stop the vehicle in a safe place and apply the parking brake before performing such function.

## Connecting a USB device

**1** **Connect the USB device to the USB port.** ***(P.15)***

**2** **Press** ⌂ **button.**
➤ HOME screen appears.

**3** **Touch** ▦.

**4** **Touch USB.** ***(P.12)***

### Disconnect the USB device

**1** **Press** ⌂ **button.**
➤ HOME screen appears.

**2** **Touch a source other than USB.**

**3** **Detach the USB device.**

### Usable USB device

You can use a mass-storage-class USB device with this unit.

The word "USB device" appearing in this manual indicates a flash memory device.

**● About the file system**

The file system should be the one of the following.

• FAT16 • FAT32 • exFAT • NTFS

**NOTICE**

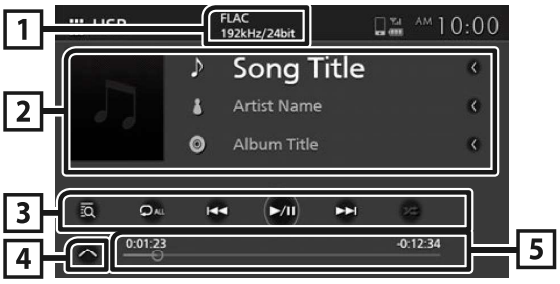
- Install the USB device in the place where it will not affect safe driving.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device.
  We shall have no compensation for any damage arising from any erased data.

## USB Basic Operation

Most functions can be controlled from the source control screen and playback screen.

**Control screen**

**Music file**




**Video file**

**Sub-control panel**

**1 CODEC (Premium AVX)**

When a high-resolution source is played, its format information is displayed. (Music file only)

**2 Track information**

Displays the information on the current file.

Only a file name and a folder name are displayed if there is no tag information.

### 3 Operation keys

- : Searches track/file. For details on search operation, see ***Search Operation (P.36)***.
- ⏮ ⏭ : Searches the previous/next track/file.
  Touch and hold to fast forward or fast backward.
- ⏯ : Plays or pauses.
- : Repeats the current track/folder. Each time you touch the key, repeat modes are switched in the following sequence:
  File repeat ( ), Folder repeat ( ), Repeat all ( )
- : Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence:
  File random ( ), Random off ( )

### 4 Sub-control panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.

- : Searches for the previous/next folder.

### 5 Playing time

For confirmation of current playing position. You can drag the circle left or right to change the playing position.

### 6 Hide (Video file only)

Hides the control screen.

**Video screen**

### 7 Key display area (Video file only)

Touch to display the control screen.

## Search Operation

You can search music or video files by the following operations.

**1 Touch on the USB control screen.**

**2 Touch ▼.**

**3 Select a list type.**

**NOTE**

- For operations on the list screen, see ***List screen (P.14)***.

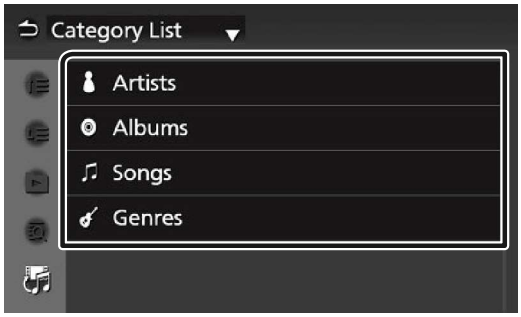
### Category search

You can search for a file by selecting a category.

**1 Touch Category List.**

**2 Select whether you search audio files or video files .**

**3 Touch the desired category.**




➤ The list corresponding to your selection appears.

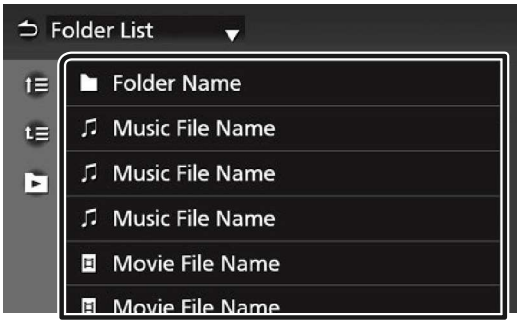
**4 Touch to select the desired item in the list. Repeat this step until you find the desired file.**

## Folder search

You can search for a file according to hierarchy.

**1** **Touch Folder List.**

**2** **Touch the desired folder.**




When you touch a folder its contents are displayed.

**3** **Touch to select your desired item in the list. Repeat this step until you find the desired file.**

# iPod/iPhone

## Preparation

### Connectable iPod/iPhone

The models which have the Lightning port can be connected to this unit.

### ⚠ WARNING

- Firmly secure the iPod when driving. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.

### NOTICE

- Toyota accepts no responsibility for data lost from an iPod, even if that data is lost while using this product. Please back up your iPod data regularly.
- Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.
- Do not leave the iPod in any location with high temperatures.

**NOTE**

- When you turn on this unit, the iPod/iPhone is charged through the unit.
- If you restart playback after connecting the iPod, the music that has been played by the iPod is played first.

### Connect iPod/iPhone

**1** **Connect the iPod/iPhone to the USB port.** ***(P.15)***

**2** **Press ⌂ button.**
➤ HOME screen appears.

**3** **Touch ▦.**

**4** **Touch iPod.** ***(P.12)***

**● To disconnect the iPod/iPhone connected with the cable:**

**1** **Detach the iPod/iPhone.**

## iPod/iPhone Basic Operation

### 1 Track information

Displays the information on the current file.

### 2 Operation keys

- : Searches for a track/file. For details on search operation, see ***Search Operation (P.39)***.
- ⏮ ⏭ : Searches for the previous/next track/file.
  Touch and hold to fast forward or fast backward.
- ⏯ : Plays or pauses.
- : Repeats the current track/album. Each time you touch the key, repeat modes are switched in the following sequence:
  Song repeat ( ), All songs repeat ( ), Repeat off ( )
- : Randomly plays all tracks in the current album. Each time you touch the key, random modes are switched in the following sequence:
  Song random ( ), Random off ( )

### 3 Playing time

For confirmation of current playing position. You can drag the circle left or right to change the playing position.

## Search Operation

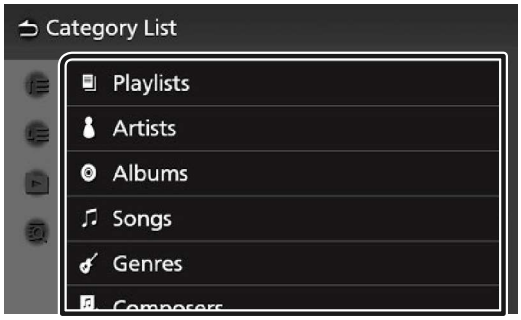
You can search music files by the following operation.

**NOTE**

- For operations on the list screen, see ***List screen (P.14)***.

**1 Touch on the iPod/iPhone control screen.**

**2 Touch the desired category.**




➤ The list corresponding to your selection appears.

**3 Touch to select the desired item in the list. Repeat this step until you find the desired file.**

# Radio

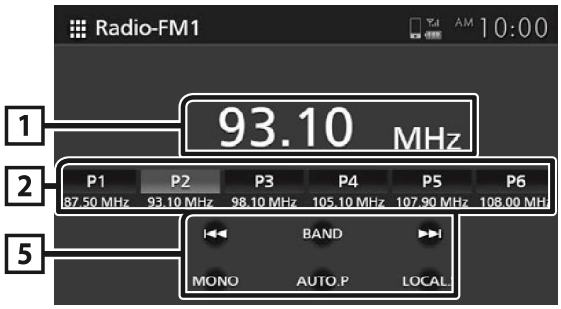
## Radio Basic Operation

Most functions can be controlled from the source control screen.

To enter Radio source, touch **Radio** icon in the source selection screen. ***(P.12)***

### *RDS-compatible model*

### *Non-RDS-compatible model*




#### 1 Information display

Displays the information of the current station: Frequency

Touching this area allows you to switch the displaying RDS information. (RDS-compatible model only)

Type A: PS name, Radio Text/Song Name, Artist Name, PTY

Type B: PS name

#### 2 Preset keys

Recalls the memorized station.

When touched for 2 seconds, stores the current receiving station in memory.

#### 3 PTY (FM only)*

Searches a program by setting program type. For details, see ***Search by program type (P.41)***.

#### 4 TI (FM only)*

Sets the traffic information mode on. For details, see ***To activate TI Standby Reception (P.42)***.

#### 5 Operation keys

- ⏮ ⏭ : Switches to the previous/next frequency manually.
  Touch and hold to tunes in a station with good reception automatically.
- **BAND** : Switches the band (FM1/ FM2, AM).
- **MONO** (FM only) : Switches the FM stereo broadcast to in monaural reception. This is effective to reduce the noise.
- **AUTO.P** : Presets stations automatically. For details, see ***Auto preset memory (P.41)***.
- **LOCAL.S** (FM only) : Receives only the stations with good reception.

#### 6 (FM only)*

Displays the Radio Setup screen. For details, see ***Radio Setup (P.43)***.

* RDS-compatible model only

# Memory Operation

## Auto preset memory

You can store stations in memory automatically.

**1** Touch **AUTO.P**.

**2** Touch **Yes**.

➤ Auto preset memory starts.

**NOTE**

- For RDS-compatible model, the stations in which the auto preset memory function tunes are limited depending on the settings.
  - When the AF function is set to "AF" or "AF Regional" in Radio Setup screen and the traffic information mode is set to off, only the Radio Data System stations are stored.
  - When the traffic information mode is set to on, only the Radio Data System stations that include the TI information are stored.

## Manual memory

You can store the current receiving station in memory.

**1** **Select a station you wish to store in memory.**

**2** **Touch P# (#:1-6) in which you want to store the station for 2 seconds until a beep sounds.**

# Selecting Operation

## Preset select

You can select memorized station.

**1** **Touch desired preset station.**

## Search by program type (FM only) (RDS-compatible model only)

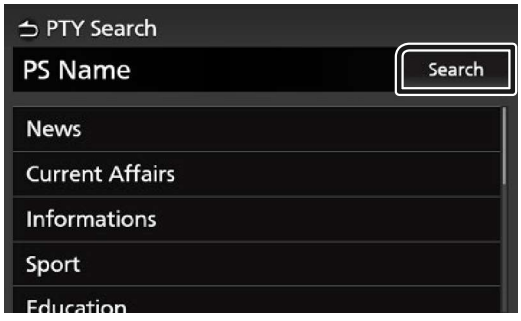
You can tune to a station with a specific program type when listening to FM.

**1** **Touch PTY.**

➤ PTY Search screen appears.

**2** **Select a program type from the list.**

**3** **Touch Search.**

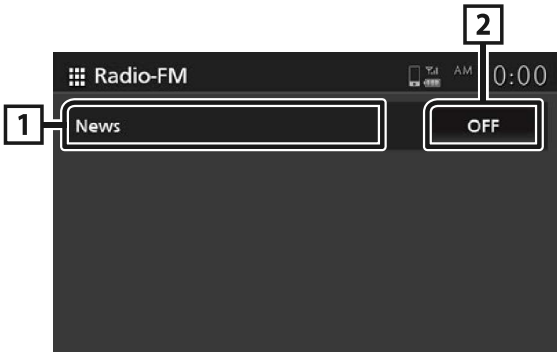



You can search a station of the selected program type.

# Breaking News and Traffic Information (FM only) (RDS-compatible model)

You can listen and watch the traffic information, news, and alarm bulletin automatically when these bulletin starts.

Once the bulletin is complete, the radio will return to its original station.




### 1 Information text

Displays the Traffic Information, News, and Alarm message.

### 2 OFF (Traffic Information/ News only)

Traffic Information: Sets the Traffic Information function off and return to the original screen.

News: Sets the news bulletin interruption function off and return to the original screen.

**NOTE**

- It is necessary to have the Traffic Information function set to on in order to have the Traffic Information screen appear automatically. ***(P.42)***
- It is necessary to have the news bulletin interruption function set to on in order to have the News screen appear automatically. ***(P.43)***
- The volume setting during reception of traffic information is automatically stored. The next time the traffic information/news/alarm bulletin is received, this unit recalls the volume setting automatically.

## To activate TI Standby Reception

**1** Touch **BAND** to switch to FM band.

**2** Touch **TI**.

➤ Traffic information mode is set.

## Radio Setup (FM only) (RDS-compatible model)

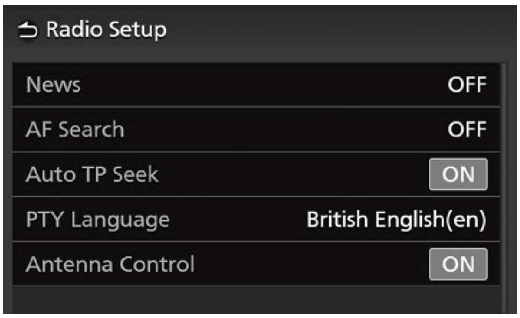
You can set radio related parameters.

**1** **Touch Band to switch to FM band.**

**2** **Touch** .

➤ Radio Setup screen appears.

**3** **Set each item as follows.**




■ **News**

Sets a news bulletin interrupt time. Default is "OFF".

■ **AF Search**

**AF** : When station reception is poor, automatically switches to the station that is broadcasting the same program over the same Radio Data System network.

**AF Regional** : Limits the station to only in the specific region while using the "AF" control.

**OFF** (Default): Cancels this function.

■ **Auto TP Seek**

When traffic information station reception is poor, automatically searches for a station that can be received better. Default is "ON".

■ **PTY Language**

Selects a display language for the PTY function.

■ **Antenna Control**

Allows you to turn off the Radio Data System function to prevent the motor-driven antenna from extending. Default is "ON".

# Other External Components

## Using PVM /back camera

### Camera view

When a gear is aligned to Reverse (R) position, the AVX screen automatically switches to full-screen camera image.

### ⚠ CAUTION

- A clear image cannot be displayed on the screen if the back camera lens is dirty. If water droplet or mud etc. is on the lens, wash it off and wipe the lens with a soft cloth. If the lens gets extremely dirty, wash it off using a mild cleanser.
- The image quality may deteriorate depending on the usage environment, such as at night or in dark surroundings.
- The range projected by the back camera is limited.
- Object located higher than the back camera may not be displayed on the screen.
- The back camera view is closed automatically if the gear stick is aligned to the positions other than the REVERSE (R) position.
- The back camera view mode is to use this product as an aid while backing up. Do not use this function for entertainment purposes.

## Using the back camera

### Camera Setup

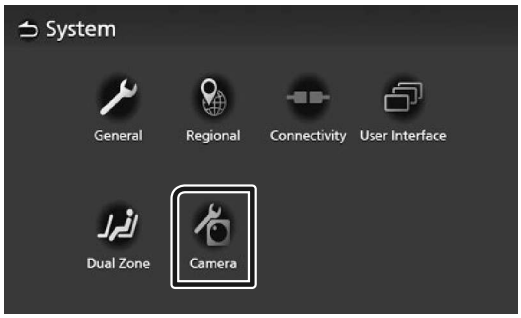
**1** **Press ⚙ button.**

➤ Popup menu appears.

**2** **Touch ⚙⚙.**

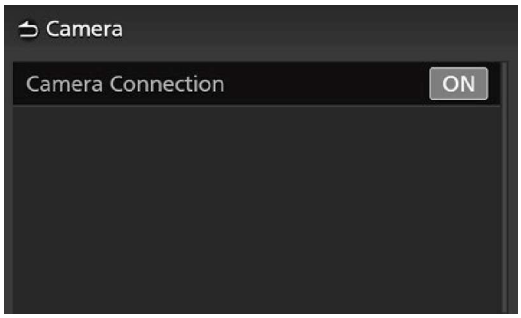
➤ System screen appears.

**3** **Touch Camera.**




➤ Camera screen appears.

**4** **Set item as follows.**




■ **Camera Connection**

Set whether to use the rear view camera.

## External audio players (AUX)

**1** **Connect an external component to the AUX input terminal.** ***(P.15)***

**2** **Select AUX as the source.** ***(P.12)***

**3** **Turn on the connected component and start playing the source.**

# Setup

## Display Adjust

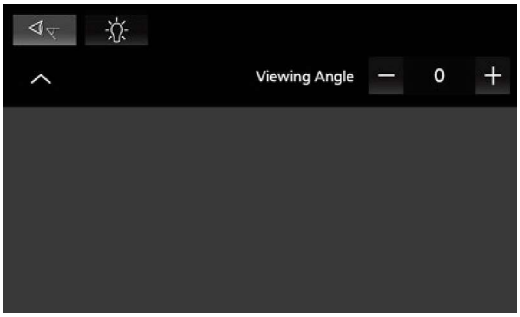
**1** **Press ⚙ button.**

➤ Popup menu appears.

**2** **Touch ☀.**

➤ Display control screen appears.

**3** **Adjust each setting as follows.**




■ 

If it is hard to see the image on the screen evenly, adjust the viewing angle. The smaller the (negative) value, the more whitish the image on the screen looks.

"0" (Default)/ "1"/ "2"/ "3"

■ 

Adjust the backlight. ("-4" to "4")

## Picture Adjust

You can adjust the image quality of video, menu screen, etc.

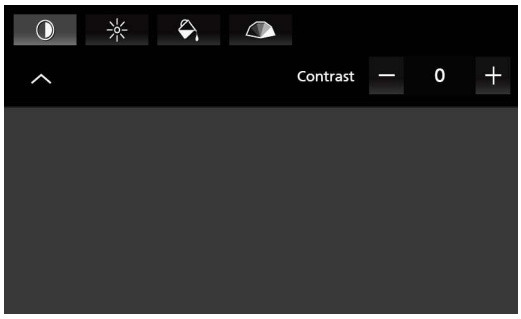
**1** **Press ⚙ button.**

➤ Popup menu appears.

**2** **Touch ▭.**

➤ Picture control screen appears.

**3** **Adjust each setting as follows.**




■ 

Adjust each setting.

■ **(Camera only)**

Adjust the tint. ("-4" to "4")

■ **(Video file only)**

Select a screen mode.

**Full** : Displays video at the ratio of 16:9.

**Normal** : Displays video at the ratio of 4:3.

**Auto** :

DVD and Video-CD: 16:9 video is displayed in the Full mode and 4:3 video is displayed in the Normal mode.

USB device and disc media: Displays video fully (vertically or horizontally) with no ratio change.

**NOTE**

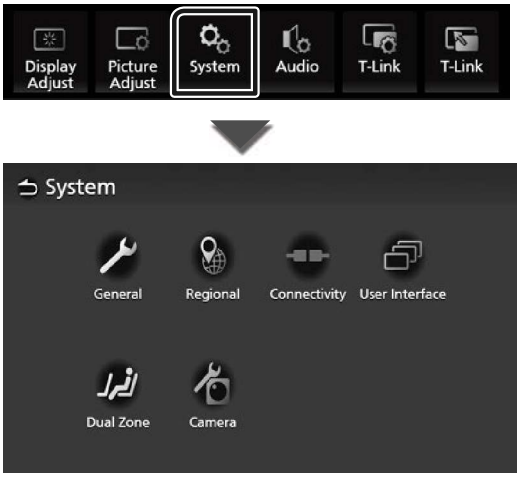
- Settings to adjust vary depending on the current source.

## System Setup

**1** **Press button.**

➤ Popup menu appears.

**2** **Touch .**




See the following section for each setting.

- General systems ***(P.46)***
- Regional systems ***(P.8)***
- Connectivity systems ***(P.18)***
- User interface systems ***(P.47)***
- Dual Zone systems ***(P.49)***
- Camera systems ***(P.44)***

## General Systems

You can confirm the information of this unit.

**1** **Press button.**

➤ Popup menu appears.

**2** **Touch .**

➤ System screen appears.

**3** **Touch General.**

➤ General screen appears.

**4** **Set each parameter as follows.**

■ **Software Information**
Confirm the software version of this unit. ***(P.46)***

■ **Open Source Licenses**
Display the open source licenses.

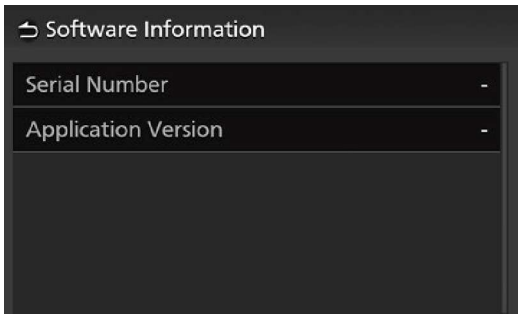
■ **Restore Factory Default**
Touch **Restore Factory Default** and then touch **Yes** to set all the settings to the initial default settings.

### Software Information

You can confirm the software version of this unit.

**1** **Touch Software Information in the General screen.**

**2** **Confirm the software version.**



## User Interface Systems

**1** Press ⚙ button.

➤ Popup menu appears.

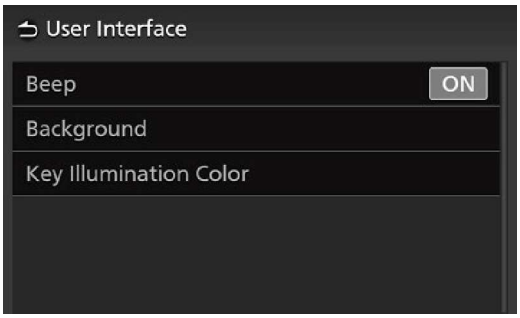
**2** Touch ⚙.

➤ System screen appears.

**3** Touch **User Interface**.

➤ User Interface screen appears.

**4** Set each parameter as follows.




■ **Beep**

Turn the key touch tone on or off.

Default is "ON".

■ **Background**

You can change the background image. ***(P.47)***

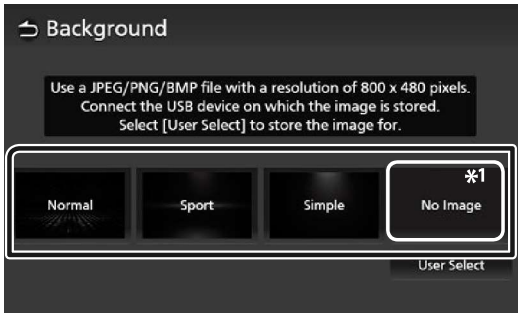
■ **Key Illumination Color**

You can change the key color. ***(P.48)***

## Change the background image

**1** Touch **Background** on the User Interface screen.

**2** Select an image.




*1 Register an original image in advance.

### *To register an original image*

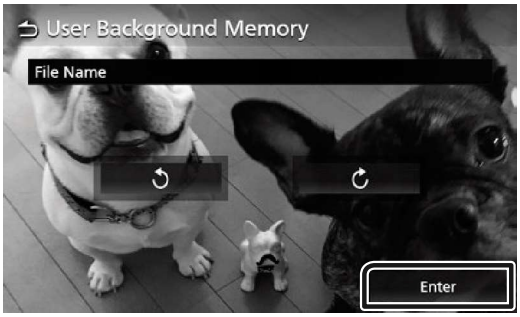
You can load an image from the connected USB device and set it as the background image.

Before starting this procedure, it is necessary to connect the device which has the image to load.

**1** Touch **User Select** on the Background screen.

**2** Select the image to load.

**3** Touch **Enter**.




➤ The selected image is loaded and the display returns to the Background screen.

**NOTE**

- Touching rotates the image counter-clockwise.
- Touching rotates the image clockwise.
- Picture files: JPEG (.jpg, .jpeg), PNG (.png), BMP (.bmp)

## Change the key color

**1** Touch **Key Color** on the User Interface screen.

**2** Select a key color.

**3** Touch .

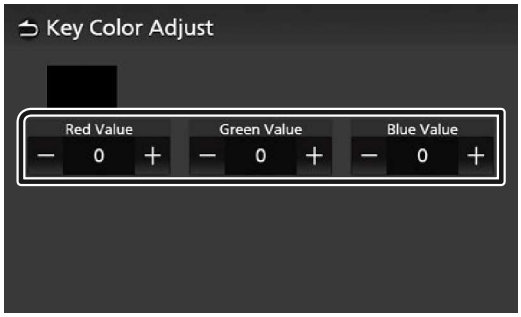
### *To register an original color*

You can register your original color.

**1** Touch **User** on the Key Color screen.

**2** Touch **Adjust**.

**3** Use **-** and **+** to adjust each color value.




**4** Touch .

# Dual Zone Systems

You can select different sources for front and rear positions in the vehicle.

**NOTE**

- This function is available for the vehicle comes with Dual Zone System.
- This function doesn't work in below cars.
  - No rear speakers are equipped.
  - No Rear Monitor is equipped.

**1** Press ⚙ button.

➤ Popup menu appears.

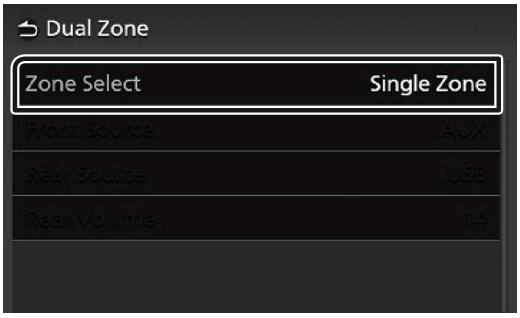
**2** Touch ⚙⚙.

➤ System screen appears.

**3** Touch **Dual Zone**.

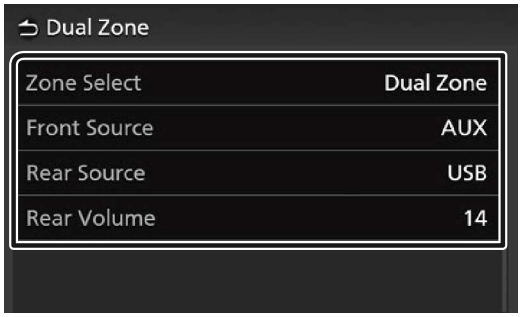
➤ Dual Zone screen appears.

**4** Touch **Zone Select**.




**5** Touch **Dual Zone**.

**6** Set each source as follows.




### ■ Zone Select

Touch **Single Zone** to turn off the dual zone function.

### ■ Front Source / Rear Source

Select a source for each.

Rear Source; OFF/ Disc/ USB/ AUX

### ■ Rear Volume

Adjust the rear source volume.

**NOTE**

- When you select the source which does not include a video as Rear Source, the rear monitor won't display any image.
- When the "Zone Select" is set to "Dual Zone", the following functions are not available.
  - Fader ***(P.50)***
  - Equalizer Control/ Sound Effect/ Listening Position/DTA ***(P.51, 52, 53)***
  - High-resolution Sound Source File Playback (Premium AVX only)

## *Selectable combinations*

| Front Source | Rear Source |
|---|---|
| T-Link | OFF |
| Bluetooth audio | OFF/ Disc (DVD/Video-CD)/ AUX |
| Radio | OFF/ Disc/ USB/ AUX |
| Disc (DVD/ Video-CD) | OFF/ Disc/ USB/ AUX |
| Disc (Music CD/ Disc media) | OFF/ AUX |
| AUX | OFF/ Disc/ USB/ AUX |
| USB | OFF/ Disc (DVD/Video-CD)/ USB/ AUX |
| iPod | OFF/ Disc (DVD/Video-CD)/ AUX |

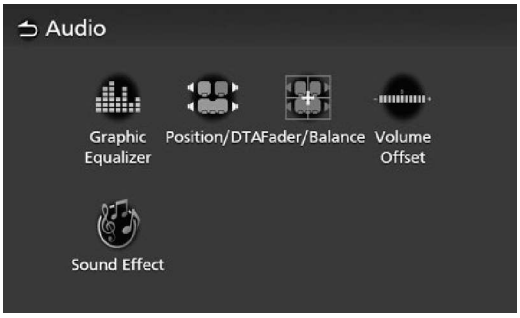
# Controlling Audio

You can adjust various settings such as audio balance.

**1** **Press ⚙ button.**

➤ Popup menu appears.

**2** **Touch 🔊.**




See the following section for each setting.

- Controlling equalizer ***(P.51)***
- Set listening position/ DTA ***(P.53)***
- Controlling general audio (Fader/Balance) ***(P.50)***
- Set volume offset ***(P.52)***
- Set sound effect ***(P.52)***

## Controlling General Audio

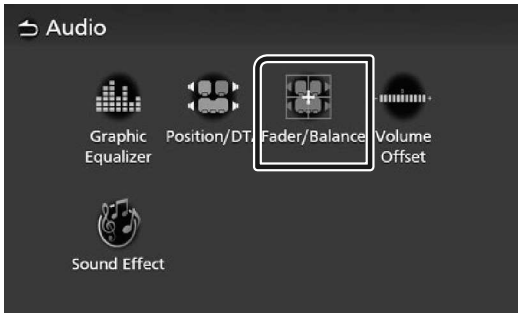
**1** **Press ⚙ button.**

➤ Popup menu appears.

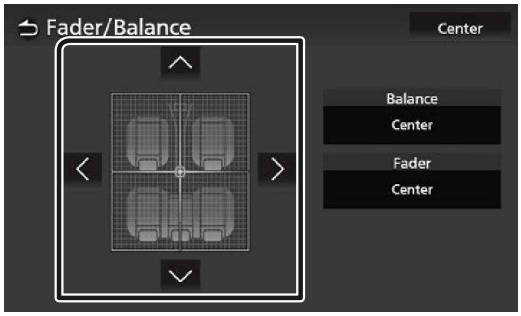
**2** **Touch 🔊.**

➤ Audio screen appears.

**3** **Touch Fader/Balance.**




**4** **Set each parameter as follows.**




### ■ Fader / Balance

Adjust the volume balance around the touched area.

◁ and ▷ adjust the right and left volume balance.

△ and ▽ adjust the front and rear volume balance.

### ■ Center

Clear the adjustment.

## Equalizer Control

You can adjust equalizer by selecting the optimized setting for each category.

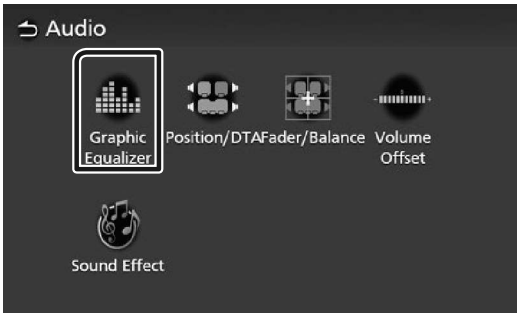
**1** **Press ⚙ button.**

➤ Popup menu appears.

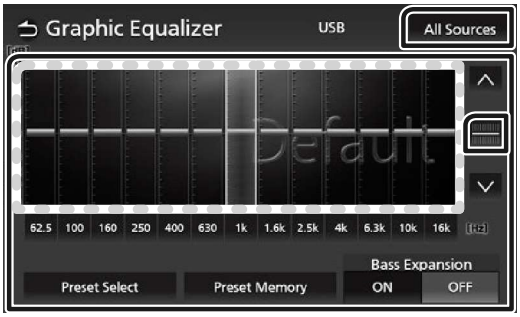
**2** **Touch .**

➤ Audio screen appears.

**3** **Touch Equalizer.**




**4** **Touch the screen and set the Graphic Equalizer as desired.**




■ **Gain level (area in dotted frame)**

Adjust the gain level by touching each frequency bar.

You can select a frequency bar and adjust its level by , .

■ **Preset Select**

Display the screen for selecting the preset equalizer curve. ***(P.51)***

■ **Preset Memory**

Saves the adjusted equalizer curve as "User".

■ 

Initialize (flatten) the current EQ curve.

■ **All Sources**

Apply the adjusted equalizer curve to all sources. Touch **All Sources** and then touch **OK** on the confirmation screen.

■ **ON / OFF (Bass Extend Settings)**

When turned on, the frequencies lower than 62.5 Hz is set to the same gain level (62.5 Hz).

### Recall the EQ curve

**1** **Touch Preset Select.**

**2** **Select an EQ curve.**

**NOTE**

- This AVX equips the below vehicle type EQ settings.
  - Sedan
  - C.SUV, H/B (Compact SUV and Hatchback)
  - MPV
  - SUV,PU (SUV and Pick Up Truck)
  - Van
- The EQ setting is optimized for each vehicle type and produce clean, distortion-free natural sound at any listening level.

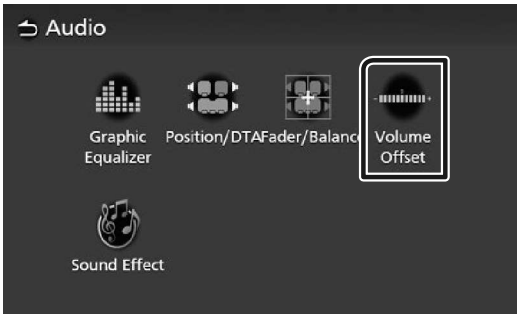
## Volume Offset

Finely adjust the volume of the current source to minimize the difference in volume between different sources.

**1** **Press ⚙ button.**
➤ Popup menu appears.

**2** **Touch 🔊.**
➤ Audio screen appears.

**3** **Touch Volume Offset.**




**4** **Touch + or - to adjust the level.**

### ■ Initialize

Returns to the initial settings.

Touch **Initialize** and then touch **Yes** on the confirmation screen.

**NOTE**

- If you have increased the volume first, then reduce the volume using "Volume Offset". Switching the current source to another source suddenly may output extremely loud sound.

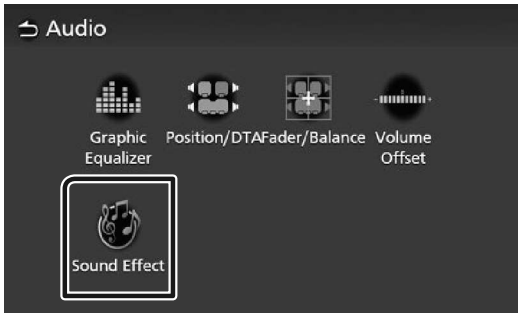
## Sound Effect

You can set sound effects.

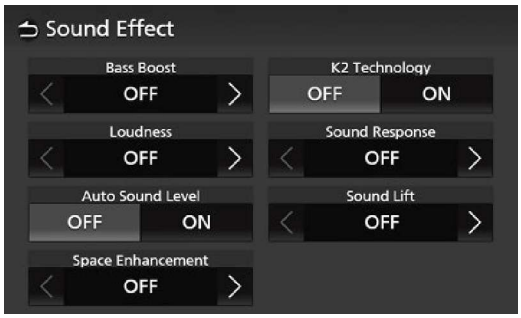
**1** **Press ⚙ button.**
➤ Popup menu appears.

**2** **Touch 🔊.**
➤ Audio screen appears.

**3** **Touch Sound Effect.**




**4** **Set each parameter as follows.**




### ■ Bass Boost

Set the amount of bass boost.

"OFF"/"1"/"2"/"3"

### ■ Loudness

Set the amount of boost of low and high tones.

"OFF", "Low", "High"

### ■ Auto Sound Level

AVX automatically adjust EQ setting based of volume level or vehicle speed.

The function is varied depends on vehicle or vehicle grade.

"OFF", "ON"

### ■ Space Enhancement

Select the feeling of sound space enhancement.

"OFF"/"Small"/"Medium"/"Large".

This setting is not available for the Radio source.

### ■ K2 Technology

Turn ON/OFF the K2 function.

Technology to extrapolate and supplement with proprietary algorithm, the high-frequency range that is cut off when encoding.

### ■ Sound Response

Virtually make the sound more realistic using the Digital Signal Processor (DSP) system.

Select the level from "OFF"/"1"/"2"/"3".

### ■ Sound Lift

You can adjust the height of speakers virtually to suit your listening position.

"OFF"/"Low"/"Middle"/"High".

## Listening Position/ DTA

Listening Position/DTA allows you to improve the sound field depending on the position of the seat you sit.

Listening Position/DTA allows you to set "Listening Position" and "Front Focus". You cannot set both at the same time.

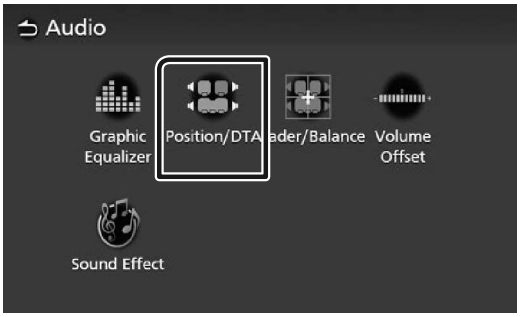
**1** **Press ⚙ button.**

➤ Popup menu appears.

**2** **Touch .**

➤ Audio screen appears.

**3** **Touch Position/DTA.**



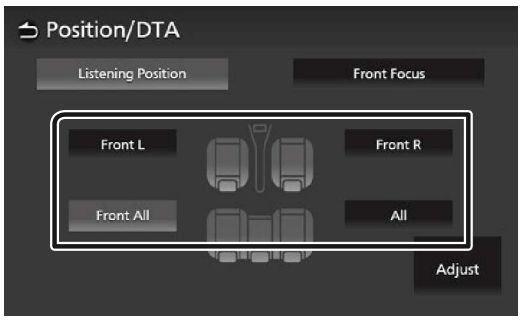

- Set up Listening Position ***(P.53)***
- Set up Front Focus ***(P.54)***

## Listening Position

Adjust the sound delay time so that the sounds from different speakers arrive at the listener sitting on the selected seat at the same time.

**1** **Touch Listening Position on the Position/DTA screen.**

**2** **Select a listening position from Front R (Right front), Front L (Left front), Front All (All front), and All.**



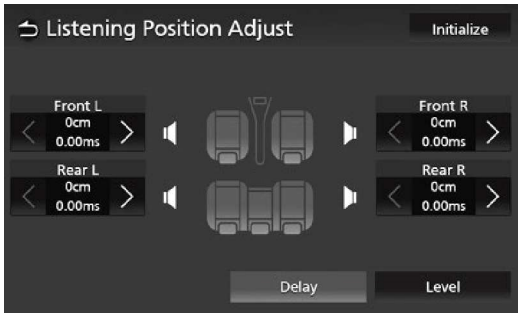

### *Position DTA control*

You can fine-adjust your listening position.

**1** **Touch Adjust.**

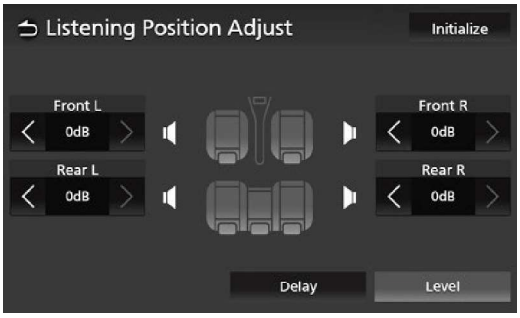
**2** **Touch Delay.**

**3** **Touch ‹ or › to adjust the delay time of the selected speaker.**




**4** **Touch Level.**

**5** Touch ◁ or ▷ to adjust the sound level of the selected speaker.




**NOTE**

- To initialize the Delay and Level settings, touch **Initialize** and **Yes** on the confirmation screen.

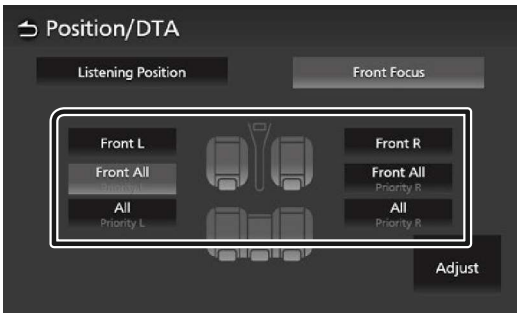
## Front Focus

You can focus the imaginary sound image on the front of the selected seat.

**1** Touch **Front Focus** on the Position/DTA screen.

**2** Select a front focus position.

For **Front All** and **All**, select Priority L or R depending on which side you want to put the imaginary sound image.

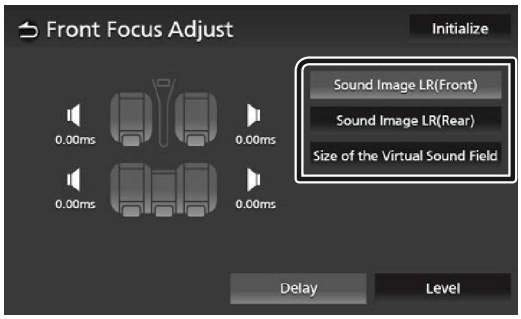



### *Front Focus fine adjustment*

**1** Touch **Adjust**.

**2** Touch **Delay**.

**3** Set each parameter as follows.




■ **Sound Image LR (Front)**

Focus the sound image on the front of front seats.

■ **Sound Image LR (Rear)**

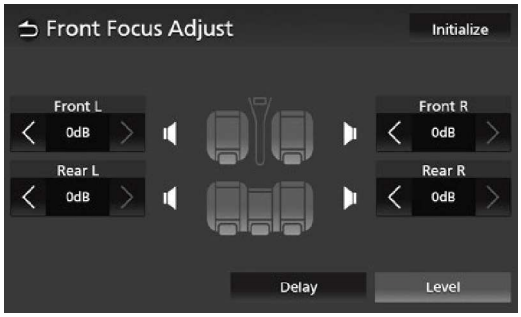
Focus the sound image on the front of rear seats.

■ **Size of the Virtual Sound Field**

Adjust the size of sound image to meet your taste. If the sound image is shifted from the front, move it back by **Sound Image LR (Front)** or **Sound Image LR (Rear)**.

**4** Touch **Level**.

**5** Touch ◁ or ▷ to adjust the sound level of the selected speaker.




**NOTE**

- To initialize the Delay and Level settings, touch **Initialize** and **Yes** on the confirmation screen.

# Steering Wheel Control

This unit can be operated using the switches on the steering wheel.

**NOTE**

- Steering wheel control function is varied depends on vehicle and vehicle grade.

## Operations using the steering switch

| Key Name | Press | Press and Hold |
|---|---|---|
| | Volume up | Volume up continuously |
| | Volume down | Volume down continuously |
| **MODE** | Switch sources | Mute ON/OFF |
| | Select preset radio stations<br>Select next track, file, chapter | Seek radio stations<br>Forward Search |
| | Select preset radio stations<br>Select previous track, file, chapter | Seek radio stations<br>Reverse Search |
| | Receive an incoming call<br>Make a phone call | Decline, refuse an incoming call<br>End a phone call |
| | Decline, refuse an incoming call<br>End a phone call | |
| **VOICE** | Start smartphone's Voice Recognition<br>(Smartphone dependent) | End smartphone's Voice Recognition |

# Remote control

This unit can be operated using the remote control.

**NOTE**

- Remote Control is optional which may not be supplied in some vehicles.

## ⚠ WARNING

- Do not ingest the battery, Chemical Burn Hazard
  The remote control supplied with this product contains a coin / button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.
  If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Put the remote control in a place where it will not move during braking or other operations. A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.

## ⚠ CAUTION

- Risk of fire or explosion if the battery is replaced by an incorrect type. Ensure to replace only with the same type.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is left in an extremely high temperature surrounding environment and/or subjected extremely low air pressure. The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is disposed into fire or a hot oven, recharged, shorted, mechanically crushed or cut of the battery.
- If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

## Using the Remote control

Point the remote control in the direction of the front panel to operate.

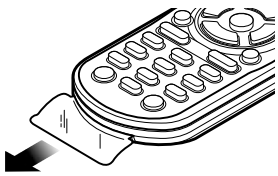
- The remote control may not function properly in direct sunlight.

**IMPORTANT**

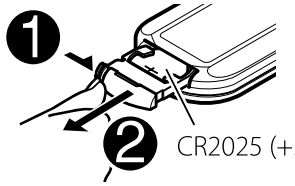
- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal.

### Removing the battery sheet

Pull the battery sheet out from the remote controller to activate the battery.

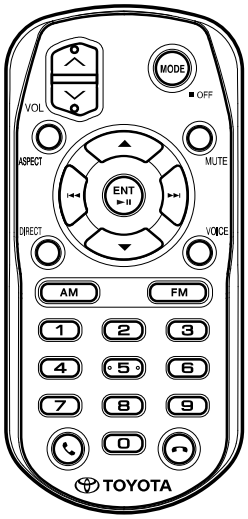


### Changing the battery of the remote controller




- Use a commercially available button battery (CR2025).
- Insert the battery with the + and – poles aligned properly.
  – If the effectiveness of the remote controller decreases, replace the battery.

## Functions of the Remote control Buttons




| Key Name | Function |
|---|---|
| MODE | • Selects the source. (Press)<br>• Turns off the power. (Hold) |
| VOL ∧ ∨ | Adjusts the volume. |
| ASPECT | Changes the aspect ratio.<br>• To confirm the current aspect ratio setting, operate on the touch panel. ***(P.45)*** |
| MUTE | Lowers the volume when pressed once.<br>Restores the previous volume when pressed twice. |
| ▲<br>▼ | Selects the folder to be played.<br>For the DVD/Video-CD source, selects the title to be played. |
| ⏮<br>⏭ | Selects the track or file to be played.<br>For the Radio source, switches to broadcast stations received by the unit.<br>For the DVD/Video-CD source, selects the chapter/scene/track to be played. |
| ENT<br>⏯ | • Starts/pauses playback.<br>• Performs the selected function. |
| DIRECT | Switches to the direct search mode.<br>For details on the direct search mode, see ***Direct search mode (P.58)***. |
| VOICE | Activates the voice control. |
| AM<br>FM | Selects FM/ AM band to be received. |
| Numeric Keypad | **1** - **6**: Enters preset station number.<br>Allows you to enter the number to search in the direct search mode.<br>For details on the direct search mode, see ***Direct search mode (P.58)***. |
| 📞 | Displays the Hands Free screen. ***(P.22)***<br>When a call comes in, answers the call. |
| 📵 | Ends/rejects the call. |

## Direct search mode

Using the remote control, you can jump directly to the desired file, track chapter, etc. by entering the number corresponding to the content.

**NOTE**

- This operation cannot be performed for the USB device and iPod.

**1 Press the MODE button several times until the desired source appears.**

**2 Press the DIRECT button to select the content.**

The available contents are different depending on the source type.

■ **DVD**
Title number/Chapter number

■ **Video-CD 1.X and 2.X (PBC OFF)**
Track number

■ **Video-CD 2.X (PBC ON)**
Scene number/Track number

■ **Music CD**
Track number

■ **Radio**
Frequency value

**3 Enter the number of the content you want to play using the numeric keypad.**

**4 For DVD or Video-CD, music CD, press the ENT button.**

**For Radio, press the ⏮ or ⏭ button.**

➤ The content corresponding to the number you entered is played.

# Troubleshooting

## Problems and Solutions

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact your dealer or your nearest Toyota Service Center.

**NOTE**

- Some functions of this unit may be disabled by some settings made on this unit.
- What might seem to be a malfunction in your unit may just be the result of slight misoperation.

### About settings

- **Cannot select the output destination of the subsource in the dual zone.**
- **Cannot adjust the volume of the rear speakers.**

The dual zone function is disabled.

➤ Set the dual zone function to on. See ***Dual Zone Systems (P.49)***.

**Cannot set up the equalizer.**

The dual zone function is enabled.

➤ Set the dual zone function to off. See ***Dual Zone Systems (P.49)***.

### About audio operations

**Cannot select a folder.**

The random play function is enabled.

➤ Turn off the random function.

**Cannot perform repeat play during Video-CD playback.**

The PBC function is enabled.

➤ Turn off the PBC function.

**The specified disc does not play, but another one plays instead.**

The disc is quite dirty.

➤ Clean the disc. See ***Precautions on handling discs (P.5)***.

The disc is severely scratched.

➤ Try another disc instead.

**The sound skips when an audio file is being played.**

The disc is scratched or dirty.

➤ Clean the disc. See ***Precautions on handling discs (P.5)***.

The recording condition is bad.

➤ Record the file again or use another disc.

**T-Link does not sound.**

➤ Verify that the T-Link installed device is selected in Bluetooth connection setup.

➤ Raise the volume on your smartphone.

➤ Try another music application. Some application does not support T-Link playback.

(Apple Music App does not support to playback during T-Link.)

**iPod or Bluetooth source does not sound.**

➤ If you used T-Link source before, verify that the iPhone's screen recording function is stopped.

**Cannot operate T-Link with touch panel operation.**

➤ Available operation functions may differ from the ones operated on the device. Some functions do not work by operation on this unit depending on the connected device.

## Error Messages

When you fail to operate the unit correctly, the cause of the failure appears as the message on the screen.

**There is an error in the speaker wiring. Please check the connections.**

Protective circuit has been activated because a speaker cord has shorted or it has come in contact with the car chassis.

➤ Wire or insulate the speaker cord as appropriate and turn the power off and on again.

**Hot Error**

When the internal temperature of this unit rises to 60°C or more, the protection circuit is activated and you may not be able to operate the unit.

➤ Use the unit again after reducing the temperature of the unit.

**Mecha Error**

The disc player is malfunctioning.

➤ Eject the disc and try inserting it again.

**Disc Error**

An unplayable disc is inserted.

➤ Change the disc. See ***Playable Media and Files (P.61)***.

**Read Error**

The disc is quite dirty.

➤ Clean the disc. See ***Precautions on handling discs (P.5)***.

Disc is upside down.

➤ Load the disc with the labeled side up.

**Region Code Error**
The disc you wanted to play has a region code that cannot be played with this unit.
➤ See ***Region Codes in the World (P.63)*** or try another disc.

**Error 07–67**
The unit is not operating correctly due to some reason or other.
➤ Turn the power off and on again.

**No Device (USB device)**
The USB device is selected as a source although no USB device is connected.
➤ Change the source to any source other than USB/iPod. Connect a USB device, and change the source to USB again.

**Disconnected (iPod, Bluetooth audio player)**
The iPod/Bluetooth audio player is selected as a source although no iPod/Bluetooth audio player is connected.
➤ Change the source to any source other than iPod/Bluetooth Audio. Connect an iPod/Bluetooth audio player, and change the source to iPod/Bluetooth again.

**No Media file**
The connected USB device contains no playable audio file. Media was played that doesn't have data recorded that the unit can play.
➤ See ***Playable Media and Files (P.61)*** and try another USB device.

**USB device over current status detected.**
The connected USB device is rated a current capacity higher than the allowable limit.
➤ Check the USB device. Some trouble may have occurred to the connected USB device.
➤ Change the source to any source other than USB. Remove the USB device.

# Appendix

## Playable Media and Files

You can play various kinds of media and files on this unit.

### List of playable discs

| Disc types / Standard | | Support | Remark |
|---|---|---|---|
| DVD | DVD Video | ○ | |
| | DVD Audio | × | |
| | DVD-VR | × | |
| | DVD-R*1 | ○ | • MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis/ MPEG1/ MPEG2/ MPEG4/ H.264/ WMV/ MKV playback<br>• Multi-border/Multisession playback (Playback depends on authoring conditions) |
| | DVD-RW | ○ | |
| | DVD+R | ○ | |
| | DVD+RW | ○ | |
| | DVD-R DL (Dual layer) | ○ | Only video format |
| | DVD+R DL (Double layer) | ○ | |
| | DVD-RAM | × | |
| CD | Music CD*1 | ○ | |
| | CD-ROM | ○ | • MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis playback<br>• Multisession is supported.<br>• Packet write is not supported. |
| | CD-R | ○ | |
| | CD-RW | ○ | |
| | DTS-CD | × | |
| | Video CD (VCD) | ○ | |
| | Super video CD | × | |
| | Photo CD | × | |
| | CD-EXTRA | △ | Only music CD session can be played. |
| | HDCD | △ | Normal music CD sound quality |
| | CCCD | × | |
| Others | Dualdisc | × | |
| | Super audio CD | △ | Only CD layer can be played. |

○ : Playback is possible.
△ : Playback is partly possible.
× : Playback is impossible.

*1 Incompatible with 8 cm (3 inch) discs.

#### Use of DualDisc

When playing a "DualDisc" on this unit, the surface of the disc that is not played may be scratched while the disc is inserted or ejected. Since the music CD surface does not conform to the CD standard, playback may be impossible.

(A "DualDisc" is a disc with one surface containing DVD standard signals and the other surface containing music CD signals.)

#### About disc format

The disc format should be the one of the following.

- ISO 9660 Level 1/2
- Joliet
- Romeo
- Long file name

## About files

The following audio and video files are supported.

### ■ Playable Audio files

| | Format | Bit rate | Sampling frequency | Bit count |
|---|---|---|---|---|
| AAC-LC (.m4a) | MPEG2/4 AAC LC<br>HE-AAC(V1,V2) | 8 – 320kbps, VBR | 16 – 48 kHz | 16 bit |
| MP3 (.mp3) | MPEG 1/2 Audio Layer 3 | 8 – 320kbps, VBR | 16 – 48 kHz | 16 bit |
| WMA (.wma) | Windows Media Audio Standard L3 profile (Version 7,8,9) | 8 – 320kbps | 16 – 48 kHz | 16 bit |
| Linear PCM (WAVE) (.wav) | RIFF waveform Audio Format | – | 16 – 48 kHz (Disc),<br>16 – 192 kHz (USB) | 16/ 24 bit |
| FLAC (.flac) | flac | – | 16 – 48 kHz (Disc),<br>16 – 192 kHz (USB) | 16/ 24 bit |
| Vorbis (.ogg) | vorbis | VBR | 16 – 48 kHz | 16 bit |
| DSD (.dsf, .dff)* | DSF, DSDIFF | – | 2.8 MHz, 5.6 MHz, 11.2 MHz | 1 bit |

- If music of normal CD and other playback systems are recorded in the same disc, only the playback system recorded at the first setout is played.
- WMA and AAC files with DRM cannot be played.
- DSD sound is converted to PCM sound before playback.
- The EmChinks tag of DSDIFF is not supported.
- Although the audio files complies with the standards listed above, they may not be played depending on the types or conditions of media or device.
- This unit supports playback of High-Resolution Audio files.
  It is recommended that a car audio system should be configured with all High-Resolution Audio compatible products from player to speaker to enjoy its high quality sound.

* DSD is available for Premium AVX only.

### ■ Acceptable Video files

| | Profile | Max. Picture size | Max. bit rate | Audio format |
|---|---|---|---|---|
| MPEG-1 (.mpg, .mpeg) | – | 352 × 240, 352 × 288 | 1.5 Mbps | MPEG Audio Layer 2 |
| MPEG-2 (.mpg, .mpeg) | MP@ML | 720 × 480, 720 × 576 | 8 Mbps | MPEG Audio Layer 2 |
| H.264/MPEG-4 AVC (.mp4, .m4v, .avi, .flv, .f4v) | Baseline Profile, Main Profile | 1920 × 1080 (30 fps) | 8 Mbps | MP3, AAC |
| MPEG-4 (.mp4, .avi) | Advanced Simple Profile | 1920 × 1080 (30 fps) | 8 Mbps | MP3, AAC |
| WMV (.wmv) | Main Profile | 1920 × 1080 (30 fps) | 8 Mbps | WMA |
| MKV (.mkv) | Video format follows H.264/MPEG-4 AVC, MPEG-4, WMV | | | MP3, AAC, WMA, Vorbis, FLAC |

- This unit can only play back files which are smaller than 4 GB.

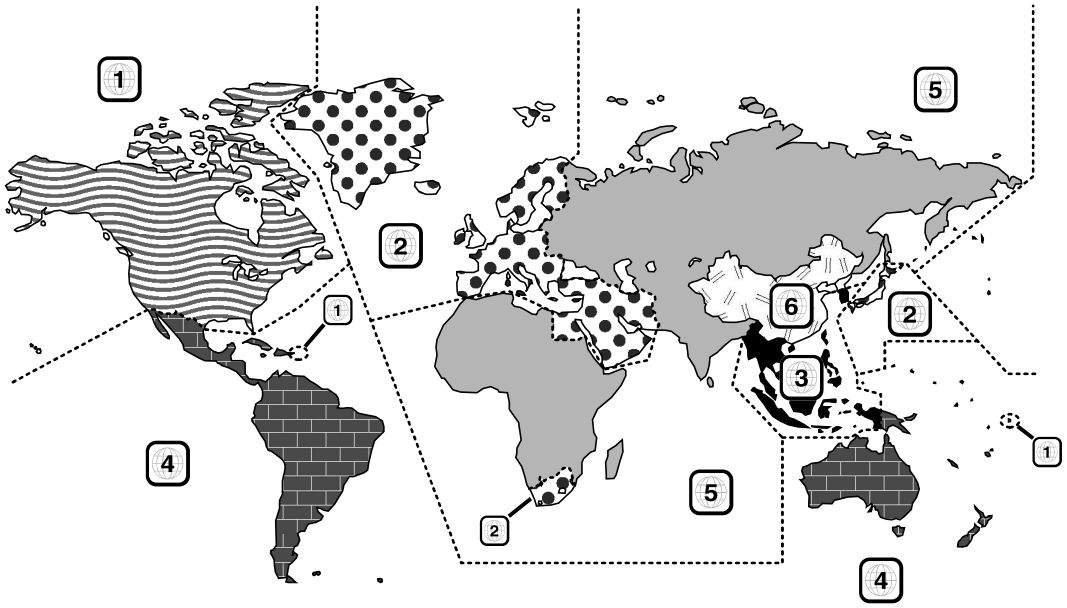
### ■ Limitation on structure of file and folder

| | Disc media | USB device |
|---|---|---|
| Maximum number of folder layers | 8 | 8 |
| Maximum number of files (per folder) | 999 | 999 |
| Maximum number of folders (per folder) | 5000 | 9999 |
| Maximum number of folders (per device) | 5000 | Unlimited |

- You can enter a folder name and file name with 255 or fewer single-byte characters.
- Files in the folder whose folder name begins with a dot (.) cannot be played.

## Region Codes in the World

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.



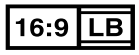

### ■ DVD disc marks

Indicates a region number. The discs with this mark can be played with any DVD player.

Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.

Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.

If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.




Indicates the type of screen for the image. The left mark indicates that a wide image picture (16:9) is displayed on a standard TV set screen (4:3) with a black band at both the top and bottom of the screen (letter box).

### ■ Operation regulatory marks

With this DVD, some functions of this unit such as the play function may be restricted depending on the location where the DVD is playing. In this case, the following marks will appear on the screen. For more information, refer to the disc manual.

Prohibition Mark

### ■ Discs with limited period of use

Do not leave discs with a limited period of use in this unit. If you load an already expired disc, you may not be able to remove it from this unit.

## DVD Language Codes

| Code | Language |
|---|---|
| aa | Afar |
| ab | Abkhazian |
| af | Afrikaans |
| am | Amharic |
| ar | Arabic |
| as | Assamese |
| ay | Aymara |
| az | Azerbaijani |
| ba | Bashkir |
| be | Byelorussian |
| bg | Bulgarian |
| bh | Bihari |
| bi | Bislama |
| bn | Bengali, Bangla |
| bo | Tibetan |
| br | Breton |
| ca | Catalan |
| co | Corsican |
| cs | Czech |
| cy | Welsh |
| da | Danish |
| de | German |
| dz | Bhutani |
| el | Greek |
| en | English |
| eo | Esperanto |
| es | Spanish |
| et | Estonian |
| eu | Basque |
| fa | Persian |
| fi | Finnish |
| fj | Fiji |
| fo | Faroese |
| fr | French |
| fy | Frisian |
| ga | Irish |
| gd | Scots Gaelic |
| gl | Galician |
| gn | Guarani |
| gu | Gujarati |
| ha | Hausa |
| he | Hebrew |
| hi | Hindi |
| hr | Croatian |
| hu | Hungarian |
| hy | Armenian |

| Code | Language |
|---|---|
| ia | Interlingua |
| ie | Interlingue |
| ik | Inupiak |
| id | Indonesian |
| is | Icelandic |
| it | Italian |
| ja | Japanese |
| jv | Javanese |
| ka | Georgian |
| kk | Kazakh |
| kl | Greenlandic |
| km | Cambodian |
| kn | Kannada |
| ko | Korean |
| ks | Kashmiri |
| ku | Kurdish |
| ky | Kirghiz |
| la | Latin |
| lb | Luxembourgish |
| ln | Lingala |
| lo | Laotian |
| lt | Lithuanian |
| lv | Latvian, Lettish |
| mg | Malagasy |
| mi | Maori |
| mk | Macedonian |
| ml | Malayalam |
| mn | Mongolian |
| mo | Moldavian |
| mr | Marathi |
| ms | Malay |
| mt | Maltese |
| my | Burmese |
| na | Nauru |
| ne | Nepali |
| nl | Dutch |
| no | Norwegian |
| oc | Occitan |
| om | (Afan) Oromo |
| or | Oriya |
| pa | Punjabi |
| pl | Polish |
| ps | Pashto, Pushto |
| pt | Portuguese |
| qu | Quechua |
| rm | Rhaeto-Romance |

| Code | Language |
|---|---|
| rn | Kirundi |
| ro | Romanian |
| ru | Russian |
| rw | Kinyarwanda |
| sa | Sanskrit |
| sd | Sindhi |
| sg | Sangho |
| sh | Serbo-Croatian |
| si | Singhalese |
| sk | Slovak |
| sl | Slovenian |
| sm | Samoan |
| sn | Shona |
| so | Somali |
| sq | Albanian |
| sr | Serbian |
| ss | Siswati |
| st | Sesotho |
| su | Sundanese |
| sv | Swedish |
| sw | Swahili |
| ta | Tamil |
| te | Telugu |
| tg | Tajik |
| th | Thai |
| ti | Tigrinya |
| tk | Turkmen |
| tl | Tagalog |
| tn | Setswana |
| to | Tongan |
| tr | Turkish |
| ts | Tsonga |
| tt | Tatar |
| tw | Twi |
| uk | Ukrainian |
| ur | Urdu |
| uz | Uzbek |
| vi | Vietnamese |
| vo | Volapuk |
| wo | Wolof |
| xh | Xhosa |
| yo | Yoruba |
| zh | Chinese |
| zu | Zulu |

# Specifications

## ■ Monitor section

**Picture Size**
: 6.8 inches (diagonal) wide
: 151.8 mm (W) × 79.68 mm (H)

**Display System**
: TN LCD panel

**Drive System**
: TFT active matrix system

**Number of Pixels**
: 1,152,000 (800H x 480V x RGB)

**Effective Pixels**
: 99.99 %

**Pixel Arrangement**
: RGB striped arrangement

**Back Lighting**
: LED

## ■ DVD player section

**D/A Converter**
: 24/ 32 bit

**Audio Decoder**
: Linear PCM/ Dolby Audio/ MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis

**Video Decoder**
: MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

**Wow & Flutter**
: Below Measurable Limit

**Frequency Response**
- 96 kHz : 20 – 44,000 Hz
- 48 kHz : 20 – 22,000 Hz
- 44.1 kHz : 20 – 20,000 Hz

**Total Harmonic Distortion**
: 0.030 % (1 kHz)

**S/N Ratio (dB)**
: 75 dB

**Dynamic Range**
: 75 dB

**Disc Format**
: DVD-Video/ VIDEO-CD/ CD-DA/ DVD-R/DVD-RW/ DVD+R/+RW

**Quantifying Bit Number**
: 16/ 20/ 24 bit

## ■ USB interface section

**USB Standard**
: USB 2.0 High Speed

**File System**
: FAT 16/ 32, exFAT, NTFS

**Maximum Power Supply Current**
: DC 5 V ⎓ 1.0 A × 1

**D/A Converter**
: 24/ 32 bit

**Audio Decoder**
: MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis/ DSD*
* DSD is available for Premium AVX only.

**Video Decoder**
: MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

## ■ Bluetooth section

**Technology**
: Bluetooth Ver.4.1

**Frequency**
: 2.402 – 2.480 GHz

**Output Power**
: +4dBm (MAX), 0dBm (AVE), Power Class2

**Maximum Communication range**
: Line of sight approx. 10m (32.8 ft)

**Audio Codec**
: SBC/ AAC

**Profile (Multi Profile support)**
- HFP (V1.7) (Hands Free Profile)
- SPP (Serial Port Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (V1.6) (Audio/Video Remote Control Profile)
- PBAP (Phonebook Access Profile)

## ■ FM tuner section

**Frequency Range (step)**
: 87.5 MHz – 108.0 MHz (50 kHz)

**Usable Sensitivity (S/N : 30 dB)**
: 9.3 dBf (0.8 µV/ 75 Ω)

**Quieting Sensitivity (S/N : 46 dB)**
: 15.2 dBf (1.6 µV/ 75 Ω)

**Frequency Response**
: 30 Hz – 15 kHz

**S/N Ratio (dB)**
: 60 dB (MONO)

**Selectivity (± 400 kHz)**
: Over 80 dB

**Stereo Separation**
: 45 dB (1 kHz)

## ■ AM tuner section

Frequency Range (step)
: 531 kHz – 1602 kHz (9 kHz)

Usable Sensitivity
: 28 dBμ (25 μV)

## ■ Video section

Color System of External Video Input
: NTSC

External Audio Max Input Level (mini jack)
: 2 V/ 25 kΩ

Video Output Level
: 1 Vp-p/ 75 Ω

## ■ Audio section

Maximum Power (Front & Rear)
: 50 W × 4

Typical Power Output (Front & Rear)
Full Bandwidth Power (at less than 10% THD)
: 20 W × 4

Output frequency band
: 20 – 88,000 Hz

Speaker Impedance
: 4 – 8 Ω

Graphics equalizer
Band: 13 Band
Frequency (BAND1 – 13)
: 62.5/ 100/ 160/ 250/ 400/ 630/ 1k/ 1.6k/ 2.5k/ 4k/ 6.3k/ 10k/ 16k Hz

Gain
: -9/-8/-7/-6/-5/-4/-3/-2/-1/0/1/2/3/4/5/6/7/8/9 dB

## ■ General

Operating Voltage
: 14.4 V (10.5 – 16 V allowable)

Maximum Current Consumption
: 15 A

Dimensions (W × H × D)
: 205 × 104 × 163.6 mm

Weight
: 2.1 kg

**NOTE**

- Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

**Specifications are subject to change without prior notice.**

## About this Unit

### ■ Trademarks and licenses

- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by JVCKENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.
- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
- DVD is a trademark of DVD Format/Logo Licensing Corporation registered in the U.S., Japan and other countries.
- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.
- Windows Media is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.
- This software is based in part on the work of the independent JPEG Group.
- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
  Please note that the use of this accessory with an Apple product may affect wireless performance.
- Apple, iPhone, iPod, iTunes, Apple Music, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.
- App Store is a service mark of Apple Inc., registered in the U.S. and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Android,Google Play and Waze are trademarks of Google LLC.
- The "AAC" logo is a trademark of Dolby Laboratories.
- SPOTIFY and the Spotify logo are among the registered trademark of Spotify AB.
- Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.
- Wi-Fi® is a registered trademark of Wi-Fi Alliance®.
- This product includes FontAvenue® fonts licenced by NEC Corporation.FontAvenue is a registered trademark of NEC Corporation.

- This product includes "Ubiquitous QuickBoot TM" technology developed by Ubiquitous Corp. Ubiquitous QuickBoot TM is a trademark of Ubiquitous Corp. Copyright© 2017 Ubiquitous Corp. All rights reserved.

- THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL USE OF A CONSUMER OR OTHER USES IN WHICH IT DOES NOT RECEIVE REMUNERATION TO (¡)ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (¡¡)DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE HTTP://WWW.MPEGLA.COM
- THIS PRODUCT IS LICENSED UNDER THE MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR (¡) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO") AND/OR (¡¡) DECODING MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE MPEG-4 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL, INTERNAL AND COMMERCIAL USES AND LICENSING MAY BE OBTAINED FROM MPEG LA, LLC. SEE HTTP://WWW.MPEGLA.COM.
- THIS PRODUCT IS LICENSED UNDER THE VC-1 PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO ( i ) ENCODE VIDEO IN COMPLIANCE WITH THE VC-1 STANDARD ("VC-1 VIDEO") AND/OR ( ii ) DECODE VC-1 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE VC-1 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE HTTP://WWW.MPEGLA.COM

- libFLAC
  Copyright (C) 2000-2009 Josh Coalson
  Copyright (C) 2011-2013 Xiph.Org Foundation
  Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  – Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  – Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
  – Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
  THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- libvorbis
  Copyright (c) 2002-2008 Xiph.org Foundation
  Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  – Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  – Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
  – Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
  THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- libogg
  Copyright (c) 2002, Xiph.org Foundation
  Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  – Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  – Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
  – Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
  THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## ■ The marking of products using lasers

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

## ■ FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE**

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
- This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  – Reorient or relocate the receiving antenna.
  – Increase the separation between the equipment and receiver.
  – Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  – Consult the dealer or an experienced radio/TV technician for help.

## ■ IC (Industry Canada) Caution

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

## ⚠ CAUTION

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

## ■ Attention de'IC(Industrie Canada)

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage.

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## ⚠ ATTENTION

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques(RF) CNR-102 de l ' IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

**Supplier's Declaration of Conformity**

| | |
|---|---|
| Products: | 6.8inch AVX w/ Mirroring |
| Model Name: | DDXGT701R |
| Products: | 6.8inch AVX w/o Mirroring |
| Model Name: | DDXGT501R |
| Responsible Party: | JVCKENWOOD USA CORPORATION<br>2201 East Dominguez Street,<br>Long Beach, CA 90810, U.S.A.<br>PHONE: 310 639-9000 |

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND

(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

CE

**Declaration of Conformity with regard to the RE Directive 2014/53/EU**
**Declaration of Conformity with regard to the RoHS Directive 2011/65/EU**
**Manufacturer:**
JVCKENWOOD Corporation
3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0022, JAPAN
**EU Representative:**
JVCKENWOOD Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, THE NETHERLANDS

| Manufacturer Model Name | |
|---|---|
| Premium AVX | **DDXGT701R** |
| Basic AVX | **DDXGT501R** |

**English**
Hereby, JVCKENWOOD declares that the radio equipment DDXGT701R/ DDXGT501R is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

**Français**
Par la présente, JVCKENWOOD déclare que l'équipement radio DDXGT701R/ DDXGT501R est conforme à la directive 2014/53/UE. L'intégralité de la déclaration de conformité UE est disponible à l'adresse Internet suivante :

**Español**
Por la presente, JVCKENWOOD declara que el equipo de radio DDXGT701R/ DDXGT501R cumple la Directiva 2014/53/EU. El texto completo de la declaración de conformidad con la UE está disponible en la siguiente dirección de internet:

**Português**
Deste modo, a JVCKENWOOD declara que o equipamento de rádio DDXGT701R/ DDXGT501R está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade da UE está disponível no seguinte endereço de internet:

**URL: http://www.kenwood.com/cs/ce/eudoc/**

## For further information

Please check the below special website for further information.
https://19cy.jvckenwood.com

**NOTICE TO OWNER**

Please retain this booklet and write the serial number of this product for identification and accurate reporting to your local police in the event of theft.

● **How to confirm the serial number of this unit.**

① Press ⚙ button.
② Touch ⚙.
③ Touch **General**.
④ Touch **Software Information**.
⑤ Confirm the Serial Number.

Serial Number _____